SEVERN TRENT STL

STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605

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www.stl-inc.com

June 22, 2006

STL SACRAMENTO PROJECT NUMBER: G6F020219
PO/CONTRACT: 129682.001/Event 81

Guy Graening
Brown and Caldwell
10540 White Rock Road
Suite 180
Rancho Cordova, CA 95670

Dear Mr. Graening,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on June 2, 2006. These samples are associated with your Event 81 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,

Karen Dahl
Project Manager

TABLE OF CONTENTS

STL SACRAMENTO PROJECT NUMBER G6F020219

Case Narrative

STL Sacramento Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, Metals - Various Methods
Samples: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
    Sample Data Sheet
    Method Blank Report
    Laboratory QC Reports

AIR, PM-10
Samples: 1, 2, 3, 4, 5, 6, 7, 8
AIR, TSP
Samples: 9, 10, 11, 12, 13
    Sample Data Sheet

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G6F020219

There were no anomalies associated with this project.

SEVERN TRENT STL

ACCREDITED IN ACCORDANCE WITH nelac

STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon*	CA 200005
Arizona	AZ0616	Pennsylvania	68-1272
Arkansas	04-067-0	South Carolina	87014002
California*	01119CA	Texas	TX 270-2004A
Colorado	NA	Utah*	QUAN1
Connecticut	PH-0691	Virginia	00178
Florida*	E87570	Washington	C087
Georgia	960	West Virginia	9930C, 334
Hawaii	NA	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613
New York*	11666		

*NELAP accredited. A more detailed parameter list is available upon request. Update 1/27/05

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary
G6F020219

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
H6LTF	1	P-0644	5/24/2006 07:30 AM	6/2/2006 09:00 AM
H6LTG	2	P-0645	5/24/2006 08:00 AM	6/2/2006 09:00 AM
H6LTH	3	P-0646	5/24/2006 08:30 AM	6/2/2006 09:00 AM
H6LTK	4	P-0647	5/24/2006 09:00 AM	6/2/2006 09:00 AM
H6LTL	5	P-0648	5/24/2006 10:20 AM	6/2/2006 09:00 AM
H6LTM	6	P-0649	5/24/2006 11:10 AM	6/2/2006 09:00 AM
H6LTN	7	P-0651	5/24/2006 07:35 AM	6/2/2006 09:00 AM
H6LTQ	8	P-0652	5/24/2006 08:15 AM	6/2/2006 09:00 AM
H6LTV	9	000473	5/24/2006 07:40 AM	6/2/2006 09:00 AM
H6LTX	10	000474	5/24/2006 08:10 AM	6/2/2006 09:00 AM
H6LT1	11	000477	5/24/2006 10:30 AM	6/2/2006 09:00 AM
H6LT2	12	000478	5/24/2006 11:20 AM	6/2/2006 09:00 AM
H6LT4	13	000479	5/24/2006 09:15 AM	6/2/2006 09:00 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No.: _____

Event 81

YERA000161

☒ 3264 Goni Road / Suite 153
Carson City, NV 89706
775-883-4118 / FAX 775-883-5108

☐ 4425 W. Spring Mountain Road / Suite 225
Las Vegas, NV 89102
702-938-4080 / FAX 702-938-4082

☐ 201 East Washington Street / Suite 510
Phoenix, AZ 85004
602-567-4000 / FAX 602-567-4001

PROJECT NAME: Yerington Air Qlty

PROJECT NUMBER: 121243

LABORATORY NAME & ADDRESS: SEVERN TRENT LABS., WEST SACRAMENTO,

LINE NO.	SAMPLE – I.D.	COLLECTION DATE	COLLECTION TIME	SAMPLER'S INITIALS	NUMBER OF CONTAINERS	CONTAINER SIZE AND TYPE	PRESER-VATIVE	MATRIX CODE	ANALYSES REQUESTED	FIELD FILTERED	QC – REQ	TAT	SAMPLING METHOD	DEPTH (FT.) BEGIN END	PID READING (ppm)
01	P-0644	5/24/06	0730	MS	1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
02	P-0645		0800		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
03	P-0646		0830		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
04	P-0647		0900		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
05	P-0648		1020		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
06	P-0649		11:10		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
07	P-0651		0735		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
08	P-0652		0815		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
09														----	
10														----	

COLLECTED & RELEASED BY: Maria Sherman	DATE 6/1/06	TIME 1600	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: Cheng Vue	DATE 6/2/06	TIME 10:55	RELINQUISHED BY:	DATE / /	TIME :	
RECORD RETURNED BY:	DATE / /	TIME :				
COURIER: FEDEX			SHIPPING NUMBER: 7921 1464 0043			

DISTRIBUTION: WHITE – PROJECT FILE • CANARY – LAB RECEIPT • PINK – DATA MANAGEMENT • GOLDENROD – FIELD

USE A BALLPOINT PEN, BLACK INK, AND PRESS FIRMLY. INSTRUCTIONS ARE ON THE BACK.

BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No.: _____

Event 81

VERA000162

☐ 3264 Goni Road / Suite 153
Carson City, NV 89706
775-883-4118 / FAX 775-883-5108

☐ 4425 W. Spring Mountain Road / Suite 225
Las Vegas, NV 89102
702-938-4080 / FAX 702-938-4082

☐ 201 East Washington Street / Suite 500
Phoenix, AZ 85004
602-567-4000 / FAX 602-567-4001

PROJECT NAME: Yerington Air Qlty

PROJECT NUMBER: 121243

LABORATORY NAME & ADDRESS: SEVERN TRENT LABS., WEST SACRAMENTO,

LINE NO.	SAMPLE – I.D.	COLLECTION DATE	COLLECTION TIME	SAMPLER'S INITIALS	NUMBER OF CONTAINERS	CONTAINER SIZE AND TYPE	PRESER-VATIVE	MATRIX CODE	ANALYSES REQUESTED	FIELD FILTERED	QC – REQ	TAT	SAMPLING METHOD	DEPTH (FT.) BEGIN ---- END	PID READING (ppm)
01	000473	5/24/06	0740	MS	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
02	000474		0810		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
03	000477		10:30		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
04	000478		11:20		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
05	000479		09:15		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
06	~~—~~				~~1~~	~~8x10 Filter~~	~~NONE~~	~~A~~	~~TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U~~ (234,235,238), Metals(Client List)			~~—~~		----	
07	~~—~~				1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U ~~(234,235,238), Metals(Client List)~~			~~—~~		----	
08														----	
09														----	
10														----	

COLLECTED & RELEASED BY: Michael Shuman	DATE 6/1/06	TIME 16:00	COOLER I.D.:		COMMENTS (see note on back):
RECEIVED BY: Chen	DATE 6/2/06	TIME 10:55	RELINQUISHED BY:	DATE / /	TIME :
RECORD RETURNED BY:	DATE / /	TIME :			
COURIER: FED EX			SHIPPING NUMBER: 7921464 0043		

DISTRIBUTION: WHITE – PROJECT FILE • CANARY – LAB RECEIPT • PINK – DATA MANAGEMENT • GOLDENROD – FIELD

USE A BALLPOINT PEN, BLACK INK, AND PRESS FIRMLY. INSTRUCTIONS ARE ON THE BACK.

G6F020219
STL Sacramento (916) 373 - 5600
5 of 304

SEVERN TRENT STL

LOT RECEIPT CHECKLIST
STL Sacramento

CLIENT Brown & Caldwell PM KD LOG # 39184

LOT# (QUANTIMS ID) G6F020219 QUOTE# 62684 LOCATION AC

	Initials	Date
DATE RECEIVED 6/2/06 TIME RECEIVED 0900	QV	6/2/06

DELIVERED BY ☑ FEDEX ☐ CA OVERNIGHT ☐ CLIENT ☐ AIRBORNE ☐ GOLDENSTATE ☐ DHL ☐ UPS ☐ BAX GLOBAL ☐ GO-GETTERS ☐ STL COURIER ☐ COURIERS ON DEMAND ☐ OTHER

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A

CUSTODY SEAL #(S) _____

SHIPPPING CONTAINER(S) ☐ STL ☑ CLIENT ☐ N/A

TEMPERTURE RECORD (IN °C) IR 1☐ 3 ☐ ☐ OTHER NA

COC #(S) _____

TEMPERATURE BLANK Observed:_____ Corrected:_____

SAMPLE TEMPERATURE

Observed: ambient Average:_____ Corrected Average:_____

COLLECTOR'S NAME: ☐ Verified from COC ☑ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW _____ ☑ NA

SHORT HOLD TEST NOTIFICATION SAMPLE RECEIVING

WETCHEM ☑ N/A

VOA-ENCORES ☑ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A

☑ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A

☐ Clouseau ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☑ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

Notes:_____

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE. INITIAL AND DATE ALL "N/A" ENTRIES.

SEVERN TRENT STL

Bottle Lot Inventory

Lot ID: G6F020219

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*																				
VOAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
____CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid **s** = sulfuric acid **na** = sodium hydroxide **n** = nitric acid **zn** = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 3/05 EM

Page 2

AIR, Metals – Various Methods

Brown and Caldwell

Client Sample ID: P-0644

TOTAL Metals

Lot-Sample #...: G6F020219-001 **Matrix.....:** AIR
Date Sampled...: 05/24/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160319						
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTF1AH
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTF1AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LTF1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTF1AL
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTF1AM
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTF1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTF1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**31.9**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTF1AQ**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**7.1**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTF1AR**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTF1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTF1AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.2 J**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTF1AV**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTF1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTF1AX
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0644

TOTAL Metals

Lot-Sample #...: G6F020219-001 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	06/09-06/16/06	H6LTF1A0
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160323						
Aluminum	**134 B**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTF1AC**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/16/06	H6LTF1AD
		Dilution Factor: 1		MDL.....: 898		
Iron	**174**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTF1AE**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**144 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTF1AF**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/16/06	H6LTF1AG
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167314						
Mercury	**0.019 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LTF1A1**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: P-0645

TOTAL Metals

Lot-Sample #...: G6F020219-002 **Matrix.....:** AIR
Date Sampled...: 05/24/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160319						
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTG1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTG1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LTG1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTG1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTG1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTG1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTG1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**15.5**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTG1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**7.2**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTG1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTG1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTG1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.3 J**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTG1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTG1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTG1A1
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0645

TOTAL Metals

Lot-Sample #...: G6F020219-002 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	06/09-06/16/06	H6LTG1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160323						
Aluminum	**133 B**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTG1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/16/06	H6LTG1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**153**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTG1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**130 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTG1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/16/06	H6LTG1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167314						
Mercury	**0.025 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LTG1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: P-0646

TOTAL Metals

Lot-Sample #...: G6F020219-003 **Matrix.....:** AIR
Date Sampled...: 05/24/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160319						
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTH1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTH1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LTH1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTH1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTH1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTH1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTH1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**34.8**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTH1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**6.4**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTH1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTH1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTH1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.3 J**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTH1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTH1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTH1A1
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0646

TOTAL Metals

Lot-Sample #...: G6F020219-003 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	06/09-06/16/06	H6LTH1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160323						
Aluminum	**143 B**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTH1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/16/06	H6LTH1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**180**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTH1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**134 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTH1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/16/06	H6LTH1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167314						
Mercury	**0.030 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LTH1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: P-0647

TOTAL Metals

Lot-Sample #...: G6F020219-004 **Matrix.....:** AIR
Date Sampled...: 05/24/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160319						
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTK1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTK1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LTK1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTK1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTK1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTK1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTK1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**14.1**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTK1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**8.4**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTK1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTK1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTK1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.5 J**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTK1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTK1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTK1A1
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0647

TOTAL Metals

Lot-Sample #...: G6F020219-004 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**8.6 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTK1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160323						
Aluminum	**184 B**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTK1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/16/06	H6LTK1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**243**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTK1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**167 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTK1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/16/06	H6LTK1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167314						
Mercury	**0.023 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LTK1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: P-0648

TOTAL Metals

Lot-Sample #...: G6F020219-005 **Matrix.....:** AIR
Date Sampled...: 05/24/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160319						
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTL1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTL1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LTL1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.013 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTL1AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.057 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTL1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTL1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTL1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**43.2**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTL1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**12.0**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTL1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTL1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTL1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.2 J**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTL1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTL1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.3 B**	**12.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTL1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0648

TOTAL Metals

Lot-Sample #...: G6F020219-005 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**7.2 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTL1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160323						
Aluminum	**417**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTL1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/16/06	H6LTL1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**836**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTL1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**239 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTL1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/16/06	H6LTL1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167314						
Mercury	**0.027 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LTL1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0649

TOTAL Metals

Lot-Sample #...: G6F020219-006 **Matrix.....:** AIR
Date Sampled...: 05/24/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160319						
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTM1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTM1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LTM1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTM1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.056 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTM1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTM1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTM1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**16.7**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTM1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**7.8**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTM1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTM1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTM1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.2 J**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTM1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTM1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTM1A1
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0649

TOTAL Metals

Lot-Sample #...: G6F020219-006 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	06/09-06/16/06	H6LTM1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160323						
Aluminum	**203 B**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTM1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/16/06	H6LTM1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**212**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTM1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**145 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTM1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/16/06	H6LTM1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167314						
Mercury	**0.021 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LTM1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0651

TOTAL Metals

Lot-Sample #...: G6F020219-007 **Matrix.....:** AIR
Date Sampled...: 05/24/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160319						
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTN1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTN1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LTN1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTN1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.058 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTN1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTN1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTN1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**36.1**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTN1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**6.9**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTN1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTN1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTN1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.2 J**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTN1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTN1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTN1A1
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0651

TOTAL Metals

Lot-Sample #...: G6F020219-007 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	06/09-06/16/06	H6LTN1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160323						
Aluminum	**143 B**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTN1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/16/06	H6LTN1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**172**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTN1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**122 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTN1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/16/06	H6LTN1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167314						
Mercury	**0.019 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LTN1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0652

TOTAL Metals

Lot-Sample #...: G6F020219-008 **Matrix.....:** AIR
Date Sampled...: 05/24/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160319						
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTQ1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTQ1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LTQ1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTQ1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTQ1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTQ1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTQ1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTQ1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTQ1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTQ1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTQ1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTQ1AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTQ1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTQ1A1
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: P-0652

TOTAL Metals

Lot-Sample #...: G6F020219-008 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	06/09-06/16/06	H6LTQ1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160323						
Aluminum	ND	240	ug	SW846 6010B	06/09-06/15/06	H6LTQ1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/16/06	H6LTQ1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**15.1 B**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTQ1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	06/09-06/15/06	H6LTQ1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/16/06	H6LTQ1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167314						
Mercury	**0.011 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LTQ1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000473

TOTAL Metals

Lot-Sample #...: G6F020219-009 **Matrix.....:** AIR
Date Sampled...: 05/24/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160319						
Silver	**0.064 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTV1AH**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTV1AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LTV1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTV1AL
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.11 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTV1AM**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTV1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTV1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**209**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTV1AQ**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**20.2**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTV1AR**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTV1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTV1AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.9 J**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTV1AV**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTV1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.2 B**	**12.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTV1AX**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000473

TOTAL Metals

Lot-Sample #...: G6F020219-009 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**9.4 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTV1A0**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160323						
Aluminum	**441**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTV1AC**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	**983 B**	**3000**	**ug**	**SW846 6010B**	**06/09-06/16/06**	**H6LTV1AD**
		Dilution Factor: 1		MDL.....: 898		
Iron	**527**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTV1AE**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**315 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTV1AF**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/16/06	H6LTV1AG
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6170610						
Mercury	**0.020 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/19/06**	**H6LTV1A1**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000474

TOTAL Metals

Lot-Sample #...: G6F020219-010 **Matrix.....:** AIR
Date Sampled...: 05/24/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160319						
Silver	**0.020 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTX1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTX1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LTX1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LTX1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.068 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTX1AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTX1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LTX1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**105**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTX1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**19.5**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTX1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTX1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LTX1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.6 J**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTX1AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LTX1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.1 B**	**12.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTX1A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000474

TOTAL Metals

Lot-Sample #...: G6F020219-010 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**6.3 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LTX1AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160323						
Aluminum	**389**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTX1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/16/06	H6LTX1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**450**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTX1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**283 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LTX1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/16/06	H6LTX1AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167314						
Mercury	**0.025 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LTX1AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000477

TOTAL Metals

Lot-Sample #...: G6F020219-011 **Matrix.....:** AIR
Date Sampled...: 05/24/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160319						
Silver	**0.036 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT11AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	**3.5 B**	**3.6**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT11AL**
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LT11AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.11 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT11AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.11 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT11AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LT11AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LT11AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**285**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT11AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**48.0**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT11AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LT11AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LT11AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**3.2 J**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT11AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LT11A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**9.7 B**	**12.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT11A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000477

TOTAL Metals

Lot-Sample #...: G6F020219-011 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**13.5 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT11AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160323						
Aluminum	**2190**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LT11AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	**2350 B**	**3000**	**ug**	**SW846 6010B**	**06/09-06/16/06**	**H6LT11AF**
		Dilution Factor: 1		MDL.....: 898		
Iron	**5620**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LT11AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**1070**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LT11AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/16/06	H6LT11AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167314						
Mercury	**0.022 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LT11AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000478

TOTAL Metals

Lot-Sample #...: G6F020219-012 **Matrix.....:** AIR
Date Sampled...: 05/24/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160319						
Silver	**0.015 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT21AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LT21AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LT21AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.019 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT21AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.060 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT21AP**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LT21AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LT21AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**93.0**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT21AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**18.9**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT21AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LT21AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LT21AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.6 J**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT21AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LT21A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.6 B**	**12.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT21A1**
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000478

TOTAL Metals

Lot-Sample #...: G6F020219-012 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**9.7 B**	**24.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT21AA**
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160323						
Aluminum	**480**	**240**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LT21AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LT21AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**596**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LT21AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**324 B**	**600**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LT21AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LT21AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167314						
Mercury	**0.031 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LT21AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000479

TOTAL Metals

Lot-Sample #...: G6F020219-013 **Matrix.....:** AIR
Date Sampled...: 05/24/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6160319						
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LT41AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LT41AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H6LT41AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LT41AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H6LT41AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LT41AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LT41AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**4.9 B**	**6.0**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT41AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LT41AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LT41AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H6LT41AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**0.38 B,J**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H6LT41AX**
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H6LT41A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H6LT41A1
		Dilution Factor: 1		MDL.....: 2.9		

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Brown and Caldwell

Client Sample ID: 000479

TOTAL Metals

Lot-Sample #...: G6F020219-013 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	24.0	ug	SW846 6020	06/09-06/16/06	H6LT41AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6160323						
Aluminum	ND	240	ug	SW846 6010B	06/09-06/15/06	H6LT41AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/09-06/15/06	H6LT41AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**23.3 B**	**120**	**ug**	**SW846 6010B**	**06/09-06/15/06**	**H6LT41AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	06/09-06/15/06	H6LT41AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/09-06/15/06	H6LT41AJ
		Dilution Factor: 1		MDL.....: 2020		
Prep Batch #...: 6167314						
Mercury	**0.013 B,J**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H6LT41AC**
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

QC DATA ASSOCIATION SUMMARY

G6F020219

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AIR	SW846 6020		6160319	
	AIR	SW846 7471A		6167314	
	AIR	SW846 6010B		6160323	
002	AIR	SW846 6020		6160319	
	AIR	SW846 7471A		6167314	
	AIR	SW846 6010B		6160323	
003	AIR	SW846 6020		6160319	
	AIR	SW846 7471A		6167314	
	AIR	SW846 6010B		6160323	
004	AIR	SW846 6020		6160319	
	AIR	SW846 7471A		6167314	
	AIR	SW846 6010B		6160323	
005	AIR	SW846 6020		6160319	
	AIR	SW846 7471A		6167314	
	AIR	SW846 6010B		6160323	
006	AIR	SW846 6020		6160319	
	AIR	SW846 7471A		6167314	
	AIR	SW846 6010B		6160323	
007	AIR	SW846 6020		6160319	
	AIR	SW846 7471A		6167314	
	AIR	SW846 6010B		6160323	
008	AIR	SW846 6020		6160319	
	AIR	SW846 7471A		6167314	
	AIR	SW846 6010B		6160323	
009	AIR	SW846 6020		6160319	
	AIR	SW846 7471A		6170610	
	AIR	SW846 6010B		6160323	
010	AIR	SW846 6020		6160319	
	AIR	SW846 7471A		6167314	
	AIR	SW846 6010B		6160323	
011	AIR	SW846 6020		6160319	
	AIR	SW846 7471A		6167314	
	AIR	SW846 6010B		6160323	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G6F020219

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
012	AIR	SW846 6020		6160319	
	AIR	SW846 7471A		6167314	
	AIR	SW846 6010B		6160323	
013	AIR	SW846 6020		6160319	
	AIR	SW846 7471A		6167314	
	AIR	SW846 6010B		6160323	

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G6F020219 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6F090000-319 **Prep Batch #...:** 6160319						
Arsenic	ND	3.6	ug	SW846 6020	06/09-06/16/06	H64G41AC
		Dilution Factor: 1				
Barium	ND	120	ug	SW846 6020	06/09-06/16/06	H64G41AD
		Dilution Factor: 1				
Beryllium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H64G41AE
		Dilution Factor: 1				
Cadmium	ND	1.2	ug	SW846 6020	06/09-06/16/06	H64G41AF
		Dilution Factor: 1				
Chromium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H64G41AH
		Dilution Factor: 1				
Cobalt	ND	12.0	ug	SW846 6020	06/09-06/16/06	H64G41AG
		Dilution Factor: 1				
Copper	ND	6.0	ug	SW846 6020	06/09-06/16/06	H64G41AJ
		Dilution Factor: 1				
Lead	**0.45 B**	**1.2**	**ug**	**SW846 6020**	**06/09-06/16/06**	**H64G41AN**
		Dilution Factor: 1				
Manganese	ND	6.0	ug	SW846 6020	06/09-06/16/06	H64G41AK
		Dilution Factor: 1				
Molybdenum	ND	6.0	ug	SW846 6020	06/09-06/16/06	H64G41AL
		Dilution Factor: 1				
Nickel	ND	6.0	ug	SW846 6020	06/09-06/16/06	H64G41AM
		Dilution Factor: 1				
Selenium	ND	3.6	ug	SW846 6020	06/09-06/16/06	H64G41AP
		Dilution Factor: 1				
Silver	ND	1.2	ug	SW846 6020	06/09-06/16/06	H64G41AA
		Dilution Factor: 1				
Vanadium	ND	12.0	ug	SW846 6020	06/09-06/16/06	H64G41AQ
		Dilution Factor: 1				
Zinc	ND	24.0	ug	SW846 6020	06/09-06/16/06	H64G41AR
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G6F020219 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6F090000-323 **Prep Batch #...:** 6160323						
Aluminum	ND	240	ug	SW846 6010B	06/09-06/15/06	H64HQ1AA
		Dilution Factor: 1				
Calcium	ND	3000	ug	SW846 6010B	06/09-06/16/06	H64HQ1AC
		Dilution Factor: 1				
Iron	ND	120	ug	SW846 6010B	06/09-06/15/06	H64HQ1AD
		Dilution Factor: 1				
Magnesium	ND	600	ug	SW846 6010B	06/09-06/15/06	H64HQ1AE
		Dilution Factor: 1				
Sodium	ND	6000	ug	SW846 6010B	06/09-06/16/06	H64HQ1AF
		Dilution Factor: 1				
MB Lot-Sample #: G6F160000-314 **Prep Batch #...:** 6167314						
Mercury	**0.0030 B**	**0.12**	**ug**	**SW846 7471A**	**06/15-06/16/06**	**H7KDL1AA**
		Dilution Factor: 1				
MB Lot-Sample #: G6F190000-610 **Prep Batch #...:** 6170610						
Mercury	**0.016 B**	**0.12**	**ug**	**SW846 7471A**	**06/19/06**	**H7PXX1AA**
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6F020219 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Arsenic	240	223	ug	93		SW846 6020	06/09-06/16/06	6160319
	240	220	ug	92	1.2	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					
Barium	240	235	ug	98		SW846 6020	06/09-06/16/06	6160319
	240	231	ug	96	1.6	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					
Beryllium	240	219	ug	91		SW846 6020	06/09-06/16/06	6160319
	240	216	ug	90	1.4	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					
Cadmium	240	224	ug	93		SW846 6020	06/09-06/16/06	6160319
	240	220	ug	92	1.8	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					
Chromium	240	234	ug	97		SW846 6020	06/09-06/16/06	6160319
	240	231	ug	96	1.1	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					
Cobalt	240	238	ug	99		SW846 6020	06/09-06/16/06	6160319
	240	237	ug	99	0.39	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					
Copper	240	238	ug	99		SW846 6020	06/09-06/16/06	6160319
	240	236	ug	98	0.74	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					
Lead	240	228	ug	95		SW846 6020	06/09-06/16/06	6160319
	240	228	ug	95	0.08	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					
Manganese	240	234	ug	98		SW846 6020	06/09-06/16/06	6160319
	240	236	ug	98	0.68	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					
Molybdenum	240	240	ug	100		SW846 6020	06/09-06/16/06	6160319
	240	240	ug	100	0.17	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6F020219 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nickel	240	235	ug	98		SW846 6020	06/09-06/16/06	6160319
	240	236	ug	98	0.29	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					
Selenium	240	218	ug	91		SW846 6020	06/09-06/16/06	6160319
	240	217	ug	90	0.50	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					
Silver	60.0	58.7	ug	98		SW846 6020	06/09-06/16/06	6160319
	60.0	57.7	ug	96	1.7	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					
Vanadium	240	231	ug	96		SW846 6020	06/09-06/16/06	6160319
	240	232	ug	97	0.22	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					
Zinc	240	225	ug	94		SW846 6020	06/09-06/16/06	6160319
	240	223	ug	93	0.61	SW846 6020	06/09-06/16/06	6160319
			Dilution Factor: 1					
Aluminum	2400	2420	ug	101		SW846 6010B	06/09-06/15/06	6160323
	2400	2420	ug	101	0.05	SW846 6010B	06/09-06/15/06	6160323
			Dilution Factor: 1					
Calcium	60000	59900	ug	100		SW846 6010B	06/09-06/16/06	6160323
	60000	60400	ug	101	0.73	SW846 6010B	06/09-06/16/06	6160323
			Dilution Factor: 1					
Iron	1200	1220	ug	101		SW846 6010B	06/09-06/15/06	6160323
	1200	1220	ug	102	0.37	SW846 6010B	06/09-06/15/06	6160323
			Dilution Factor: 1					
Magnesium	60000	58900	ug	98		SW846 6010B	06/09-06/15/06	6160323
	60000	59700	ug	99	1.3	SW846 6010B	06/09-06/15/06	6160323
			Dilution Factor: 1					
Sodium	60000	58400	ug	97		SW846 6010B	06/09-06/16/06	6160323
	60000	59200	ug	99	1.3	SW846 6010B	06/09-06/16/06	6160323
			Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6F020219 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Mercury	0.600	0.618	ug	103		SW846 7471A	06/15-06/16/06	6167314
	0.600	0.606	ug	101	2.0	SW846 7471A	06/15-06/16/06	6167314
			Dilution Factor: 1					
Mercury	0.600	0.588	ug	98		SW846 7471A	06/19/06	6170610
	0.600	0.587	ug	98	0.10	SW846 7471A	06/19/06	6170610
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6F020219 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Arsenic	93	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	92	(75 - 125)	1.2	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					
Barium	98	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	96	(75 - 125)	1.6	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					
Beryllium	91	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	90	(75 - 125)	1.4	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					
Cadmium	93	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	92	(75 - 125)	1.8	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					
Chromium	97	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	96	(75 - 125)	1.1	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					
Cobalt	99	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	99	(75 - 125)	0.39	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					
Copper	99	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	98	(75 - 125)	0.74	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					
Lead	95	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	95	(75 - 125)	0.08	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					
Manganese	98	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	98	(75 - 125)	0.68	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					
Molybdenum	100	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	100	(75 - 125)	0.17	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6F020219 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Nickel	98	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	98	(75 - 125)	0.29	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					
Selenium	91	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	90	(75 - 125)	0.50	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					
Silver	98	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	96	(75 - 125)	1.7	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					
Vanadium	96	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	97	(75 - 125)	0.22	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					
Zinc	94	(75 - 125)			SW846 6020	06/09-06/16/06	6160319
	93	(75 - 125)	0.61	(0-20)	SW846 6020	06/09-06/16/06	6160319
		Dilution Factor: 1					
Aluminum	101	(75 - 125)			SW846 6010B	06/09-06/15/06	6160323
	101	(75 - 125)	0.05	(0-20)	SW846 6010B	06/09-06/15/06	6160323
		Dilution Factor: 1					
Calcium	100	(75 - 125)			SW846 6010B	06/09-06/16/06	6160323
	101	(75 - 125)	0.73	(0-20)	SW846 6010B	06/09-06/16/06	6160323
		Dilution Factor: 1					
Iron	101	(75 - 125)			SW846 6010B	06/09-06/15/06	6160323
	102	(75 - 125)	0.37	(0-20)	SW846 6010B	06/09-06/15/06	6160323
		Dilution Factor: 1					
Magnesium	98	(75 - 125)			SW846 6010B	06/09-06/15/06	6160323
	99	(75 - 125)	1.3	(0-20)	SW846 6010B	06/09-06/15/06	6160323
		Dilution Factor: 1					
Sodium	97	(75 - 125)			SW846 6010B	06/09-06/16/06	6160323
	99	(75 - 125)	1.3	(0-20)	SW846 6010B	06/09-06/16/06	6160323
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6F020219 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Mercury	103	(75 - 125)			SW846 7471A	06/15-06/16/06	6167314
	101	(75 - 125)	2.0	(0-20)	SW846 7471A	06/15-06/16/06	6167314
		Dilution Factor: 1					
Mercury	98	(75 - 125)			SW846 7471A	06/19/06	6170610
	98	(75 - 125)	0.10	(0-20)	SW846 7471A	06/19/06	6170610
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

AIR, PM-10 & TSP

Brown and Caldwell

Client Sample ID: P-0644

General Chemistry

Lot-Sample #...: G6F020219-001 Work Order #...: H6LTF Matrix.....: AIR
Date Sampled...: 05/24/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0095	0.0001	g	CFR50J APDX J	06/07-06/08/06	6160467

Brown and Caldwell

Client Sample ID: P-0645

General Chemistry

Lot-Sample #...: G6F020219-002 Work Order #...: H6LTG Matrix.....: AIR
Date Sampled...: 05/24/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0100	0.0001	g	CFR50J APDX J	06/07-06/08/06	6160467

Brown and Caldwell

Client Sample ID: P-0646

General Chemistry

Lot-Sample #...: G6F020219-003 Work Order #...: H6LTH Matrix.....: AIR
Date Sampled...: 05/24/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0117	0.0001	g	CFR50J APDX J	06/07-06/08/06	6160467

Brown and Caldwell

Client Sample ID: P-0647

General Chemistry

Lot-Sample #...: G6F020219-004 Work Order #...: H6LTK Matrix.....: AIR
Date Sampled...: 05/24/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0124	0.0001	g	CFR50J APDX J	06/07-06/08/06	6160467

Brown and Caldwell

Client Sample ID: P-0648

General Chemistry

Lot-Sample #...: G6F020219-005 Work Order #...: H6LTL Matrix.....: AIR
Date Sampled...: 05/24/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0248	0.0001	g	CFR50J APDX J	06/07-06/08/06	6160467

Brown and Caldwell

Client Sample ID: P-0649

General Chemistry

Lot-Sample #...: G6F020219-006 Work Order #...: H6LTM Matrix.....: AIR
Date Sampled...: 05/24/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0097	0.0001	g	CFR50J APDX J	06/07-06/08/06	6160467

Brown and Caldwell

Client Sample ID: P-0651

General Chemistry

Lot-Sample #...: G6F020219-007 Work Order #...: H6LTN Matrix.....: AIR
Date Sampled...: 05/24/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0129	0.0001	g	CFR50J APDX J	06/07-06/08/06	6160467

Brown and Caldwell

Client Sample ID: P-0652

General Chemistry

Lot-Sample #...: G6F020219-008 Work Order #...: H6LTQ Matrix.....: AIR
Date Sampled...: 05/24/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0015	0.0001	g	CFR50J APDX J	06/07-06/08/06	6160467

Brown and Caldwell

Client Sample ID: 000473

General Chemistry

Lot-Sample #...: G6F020219-009 Work Order #...: H6LTV Matrix.....: AIR
Date Sampled...: 05/24/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0352	0.0001	g	CFR50B APDX B	06/07-06/08/06	6160457

Brown and Caldwell

Client Sample ID: 000474

General Chemistry

Lot-Sample #...: G6F020219-010 Work Order #...: H6LTX Matrix.....: AIR
Date Sampled...: 05/24/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0266	0.0001	g	CFR50B APDX B	06/07-06/08/06	6160457

Brown and Caldwell

Client Sample ID: 000477

General Chemistry

Lot-Sample #...: G6F020219-011 Work Order #...: H6LT1 Matrix.....: AIR
Date Sampled...: 05/24/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.1449	0.0001	g	CFR50B APDX B	06/07-06/08/06	6160457

Brown and Caldwell

Client Sample ID: 000478

General Chemistry

Lot-Sample #...: G6F020219-012 Work Order #...: H6LT2 Matrix.....: AIR
Date Sampled...: 05/24/06 Date Received..: 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0365	0.0001	g	CFR50B APDX B	06/07-06/08/06	6160457

Brown and Caldwell

Client Sample ID: 000479

General Chemistry

Lot-Sample #...: G6F020219-013 **Work Order #...:** H6LT4 **Matrix.....:** AIR
Date Sampled...: 05/24/06 **Date Received..:** 06/02/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	ND	0.0001	g	CFR50B APDX B	06/07-06/08/06	6160457

AIR, Metals – Various Methods

Raw Data Package

ICP

G6F020219

STL Sacramento

RUN SUMMARY

Method: 6010 | PE ICP2 (P05) | Reported: 06/16/06 10:01:50

File ID: JUN1506AX.csv **Analyst: WONGA**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	Calib_Blank_'				1.0	06/15/06 11:07		☐
2	ZZZZZ				1.0	06/15/06 11:11		☐
3	Calib Std 1				1.0	06/15/06 11:16		☐
4	Calib Std 2				1.0	06/15/06 11:18		☐
5	ICV4				1.0	06/15/06 11:20		☐
6	ICB				1.0	06/15/06 11:23		☐
7	PQL				1.0	06/15/06 11:26		☐
8	ICSA				1.0	06/15/06 11:30		☐
9	ICSAB_4.0				1.0	06/15/06 11:32		☐
10	FB1815158				1.0	06/15/06 11:39	rerun Ca, Na	☐
11	H64HQB	G6F090000	6160323	2A	1.0	06/15/06 11:43		☐
12	H64HQC	G6F090000	6160323	2A	1.0	06/15/06 11:46		☐
13	H64HQL	G6F090000	6160323	2A	1.0	06/15/06 11:49		☐
14	H6LTF	G6F020219-1	6160323	2A	1.0	06/15/06 11:53		☐
15	H6LTFP5	G6F020219	6160323		5.0	06/15/06 11:56		☐
16	H6LTFZ	G6F020219-1	6160323		1.0	06/15/06 12:00		☐
17	CCV				1.0	06/15/06 12:03	Ca, Na rsd↑	☐
18	CCB				1.0	06/15/06 12:06		☐
19	H6LTG	G6F020219-2	6160323	2A	1.0	06/15/06 12:09	rerun Ca, Na	☐
20	H6LTH	G6F020219-3	6160323	2A	1.0	06/15/06 12:13		☐
21	H6LTK	G6F020219-4	6160323	2A	1.0	06/15/06 12:16		☐
22	H6LTL	G6F020219-5	6160323	2A	1.0	06/15/06 12:20		☐
23	H6LTM	G6F020219-6	6160323	2A	1.0	06/15/06 12:24		☐
24	H6LTN	G6F020219-7	6160323	2A	1.0	06/15/06 12:27		☐
25	H6LTQ	G6F020219-8	6160323	2A	1.0	06/15/06 12:31		☐
26	H6LTV	G6F020219-9	6160323	2A	1.0	06/15/06 12:34		☐
27	H6LTX	G6F020219-10	6160323	2A	1.0	06/15/06 12:38		☐
28	H6LT1	G6F020219-11	6160323	2A	1.0	06/15/06 12:41		☐
29	CCV				1.0	06/15/06 12:44		☐
30	CCB				1.0	06/15/06 12:47		☐
31	H6LT2	G6F020219-12	6160323	2A	1.0	06/15/06 12:50		☐
32	H6LT4	G6F020219-13	6160323	2A	1.0	06/15/06 12:54		☐
33	FB1815158				1.0	06/15/06 12:57		☐
34	H64GVB	G6F090000	6160312	2A	1.0	06/15/06 13:01		☐
35	H64GVC	G6F090000	6160312	2A	1.0	06/15/06 13:05		☐
36	H64GVL	G6F090000	6160312	2A	1.0	06/15/06 13:07		☐
37	H6LT9	G6F020224-1	6160312	2A	1.0	06/15/06 13:11		☐
38	H6LT9P5	G6F020224	6160312		5.0	06/15/06 13:14		☐
39	H6LT9Z	G6F020224-1	6160312		1.0	06/15/06 13:18		☐
40	CCV				1.0	06/15/06 13:22		☐
41	CCB				1.0	06/15/06 13:24		☐
42	H6LVC	G6F020224-2	6160312	2A	1.0	06/15/06 13:27		☐
43	H6LVD	G6F020224-3	6160312	2A	1.0	06/15/06 13:31		☐
44	H6LVE	G6F020224-4	6160312	2A	1.0	06/15/06 13:35		☐
45	H6LVF	G6F020224-5	6160312	2A	1.0	06/15/06 13:38		☐
46	CCV				1.0	06/15/06 14:05		☐

STL Sacramento

RUN SUMMARY

Method: 6010 | PE ICP2 (P05) | Reported: 06/16/06 10:01:50

File ID: JUN1506AX.csv **Analyst: WONGA**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
47	CCB				1.0	06/15/06 14:07		☐
48	H6LVH	G6F020224-6	6160312	2A	1.0	06/15/06 14:12		☐
49	H6LVK	G6F020224-7	6160312	2A	1.0	06/15/06 14:16		☐
50	H6LVL	G6F020224-8	6160312	2A	1.0	06/15/06 14:19		☐
51	H6LVM	G6F020224-9	6160312	2A	1.0	06/15/06 14:23		☐
52	H6LVN	G6F020224-10	6160312	2A	1.0	06/15/06 14:26		☐
53	H6LVQ	G6F020224-11	6160312	2A	1.0	06/15/06 14:30		☐
54	H6LVR	G6F020224-12	6160312	2A	1.0	06/15/06 14:34		☐
55	H6LVT	G6F020224-13	6160312	2A	1.0	06/15/06 14:37		☐
56	H6LVV	G6F020224-14	6160312	2A	1.0	06/15/06 14:41		☐
57	CCV				1.0	06/15/06 14:45		☐
58	CCB				1.0	06/15/06 14:48		☐

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6010 () PE ICP2 (P05) Reported: 06/16/06 10:01:50

File ID: JUN1506AX.csv **Analyst: WONGA**

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_ Axial	Y_ Radial	Q
1	Calib_Blank_	06/15/06 11:07	0.0	0.0	0.0	0.0	0.0	0.0	☑
2	ZZZZZ	06/15/06 11:11	101.1	101.0	101.3	98.5	101.3	98.3	☑
3	Calib Std 1	06/15/06 11:16	0.0	0.0	0.0	0.0	0.0	0.0	☑
4	Calib Std 2	06/15/06 11:18	0.0	0.0	0.0	0.0	0.0	0.0	☑
5	ICV4	06/15/06 11:20	97.2	100.4	98.0	96.2	97.4	98.4	☑
6	ICB	06/15/06 11:23	102.4	101.0	101.5	98.7	101.4	98.4	☑
7	PQL	06/15/06 11:26	102.2	101.8	101.6	98.4	101.7	98.4	☑
8	ICSA	06/15/06 11:30	78.3	86.2	86.5	87.5	85.9	88.1	☑
9	ICSAB 4.0	06/15/06 11:32	79.2	85.9	86.9	86.3	86.0	86.7	☑
10	FB1815158	06/15/06 11:39	103.4	103.8	102.8	102.4	102.8	102.4	☑
11	H64HQB	06/15/06 11:43	104.4	102.8	103.4	100.7	103.6	100.8	☑
12	H64HQC	06/15/06 11:46	94.7	100.5	97.4	95.9	96.6	95.0	☑
13	H64HQL	06/15/06 11:49	94.9	99.7	97.4	97.7	96.7	96.8	☑
14	H6LTF	06/15/06 11:53	103.8	105.0	102.2	100.2	102.2	100.2	☑
15	H6LTFP5	06/15/06 11:56	104.5	102.7	103.7	102.0	103.7	101.8	☑
16	H6LTFZ	06/15/06 12:00	94.9	101.2	98.0	97.7	97.3	96.8	☑
17	CCV	06/15/06 12:03	95.9	101.0	99.3	98.8	98.4	98.3	☑
18	CCB	06/15/06 12:06	103.8	102.5	103.1	97.2	103.1	97.0	☑
19	H6LTG	06/15/06 12:09	106.2	104.9	105.2	102.1	105.2	102.1	☑
20	H6LTH	06/15/06 12:13	104.1	105.2	103.0	103.1	103.0	103.0	☑
21	H6LTK	06/15/06 12:16	103.2	105.9	101.8	103.5	101.6	103.6	☑
22	H6LTL	06/15/06 12:20	106.6	105.3	105.2	101.9	105.1	101.9	☑
23	H6LTM	06/15/06 12:24	103.7	105.6	102.3	102.1	102.4	101.9	☑
24	H6LTN	06/15/06 12:27	105.2	105.6	104.3	101.6	104.2	101.4	☑
25	H6LTQ	06/15/06 12:31	106.0	105.3	105.1	102.3	105.4	102.2	☑
26	H6LTV	06/15/06 12:34	106.1	106.0	105.1	101.5	105.0	101.5	☑
27	H6LTX	06/15/06 12:38	104.7	106.4	103.5	102.6	103.4	102.4	☑
28	H6LT1	06/15/06 12:41	106.6	108.4	104.0	102.9	103.8	102.8	☑
29	CCV	06/15/06 12:44	95.2	100.5	98.7	96.6	97.9	97.3	☑
30	CCB	06/15/06 12:47	102.0	102.5	101.7	99.0	101.7	99.0	☑
31	H6LT2	06/15/06 12:50	104.4	105.6	103.4	100.9	103.3	101.0	☑
32	H6LT4	06/15/06 12:54	104.4	105.4	103.4	102.1	103.6	102.0	☑
33	FB1815158	06/15/06 12:57	105.9	105.6	104.6	103.1	104.7	103.3	☑
34	H64GVB	06/15/06 13:01	104.9	105.6	103.8	102.4	103.9	102.5	☑
35	H64GVC	06/15/06 13:05	95.7	102.2	99.1	95.9	98.3	95.0	☑
36	H64GVL	06/15/06 13:07	94.5	102.7	99.4	99.2	98.5	98.2	☑
37	H6LT9	06/15/06 13:11	104.8	105.4	103.4	101.8	103.4	101.6	☑
38	H6LT9P5	06/15/06 13:14	103.9	103.7	103.3	100.7	103.3	100.6	☑
39	H6LT9Z	06/15/06 13:18	95.9	102.4	98.8	98.1	98.0	97.2	☑
40	CCV	06/15/06 13:22	96.1	103.1	99.5	98.6	98.6	99.0	☑
41	CCB	06/15/06 13:24	103.8	104.1	103.3	100.9	103.4	100.7	☑
42	H6LVC	06/15/06 13:27	103.7	106.5	102.6	100.8	102.7	100.8	☑
43	H6LVD	06/15/06 13:31	105.1	106.5	104.1	101.9	104.2	102.0	☑
44	H6LVE	06/15/06 13:35	104.5	107.0	103.3	103.2	103.3	103.2	☑
45	H6LVF	06/15/06 13:38	105.2	106.6	104.4	101.4	104.6	101.4	☑
46	CCV	06/15/06 14:05	92.8	95.0	93.0	88.9	91.5	87.9	☑

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6010 () PE ICP2 (P05) Reported: 06/16/06 10:01:50

File ID: JUN1506AX.csv **Analyst: WONGA**

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_ Axial	Y_ Radial	Q
47	CCB	06/15/06 14:07	104.2	103.0	102.6	98.0	102.2	97.7	☑
48	H6LVH	06/15/06 14:12	102.1	102.5	99.3	96.6	99.1	96.4	☑
49	H6LVK	06/15/06 14:16	107.7	106.4	105.7	103.2	105.4	103.0	☑
50	H6LVL	06/15/06 14:19	103.1	106.4	101.3	102.8	101.0	102.3	☑
51	H6LVM	06/15/06 14:23	104.6	106.9	103.2	101.9	102.9	101.7	☑
52	H6LVN	06/15/06 14:26	105.0	106.4	103.1	103.9	103.0	103.7	☑
53	H6LVQ	06/15/06 14:30	103.3	107.2	101.9	103.7	101.6	103.6	☑
54	H6LVR	06/15/06 14:34	106.1	107.2	104.4	101.5	104.3	101.3	☑
55	H6LVT	06/15/06 14:37	105.7	107.2	104.4	101.6	104.2	101.5	☑
56	H6LVV	06/15/06 14:41	105.6	105.9	104.1	101.7	104.2	101.6	☑
57	CCV	06/15/06 14:45	95.7	101.8	98.7	97.8	97.8	97.1	☑
58	CCB	06/15/06 14:48	104.6	105.5	103.6	101.0	103.5	100.7	☑

STL Sacramento

ICP Data Review Checklist

SEVERN TRENT STL

Run/Project Information:

Run Date: 06/15/06 Analyst: AWONG Instrument: P05

Prep Batches Run: 6160323, 6160312

Circle Method used: (6010B) / 200.7: SAC-MT-0003 Rev. 2.0

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels ?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits ? (6010B, CLP = 90 - 110%, 200.7 = 95 -105%[ICV])	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	✓			✓
4. CRI analyzed? (for CLP only)	✓			✓
5. ICSA/ICSAB run at required frequency and within SOP limits ?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?			✓	✓
2. All reported results bracketed by in control QC ?	✓			✓
3. Sample analyses done within holding time ?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	✓			✓
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	✓			✓
3. MS run at required frequency and within limits ?			✓	✓
4. MSD or DU run at required frequency and RPD within SOP limits ?			✓	✓
5. Dilution Test done per prep batch (or per SDG for CLP) ?	✓			✓
6. Post digest spike analyzed if required (CLP only) ?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately ?			✓	✓
2. Current IDL/LR/IEC data on file ?	✓			✓
3. Calculations checked for error ?	✓			✓
4. Transcriptions checked for error ?	✓			✓
5. All client/project specific requirements met ?	✓			✓
6. Date/time of analysis verified as correct ?	✓			✓

Analyst: AWong Date: 06/16/06

Comments:

2nd Level Reviewer : YMG Date: 6/19/06

Comments:

STL Sacramento

Method 6010B Instrument QC Standards

Chemist: AWong

Run Date: 06/15/06

Type of Analysis: Trace ICP (AirTox)

Instrument ID: P05

Standard Expiration Dates Verified: 06/15/06

Standard Name	Standard Logbook ID
STD0 (Cal Blank) / ICB / CCB	2696-16-6
STD1 (Cal Std 1)	2680-66
STD2 (Cal Std 2)	2680-67
STD3 (Cal Std 3)	NA
STD4 (Cal Std 4)	NA
ICV	2680-42
ICV2	NA
PQLCRI	1750-018-3
ICSA	2680-69
ICSAB	2680-70
CCV	2680-68
Internal Standard	2696-19-1

QA – 416
ERS 2/1/01

6/15/2006 10:53:41 AM Hg ReAlign... Actual peak offset (nm): -0.007
Drift (nm): -0.000 Slit adjustment: -2

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	601239.3
-1.6	15.0	772437.5
-1.2	15.0	1017907.6
-0.8	15.0	1219118.4
-0.4	15.0	1273258.6
0.0	15.0	1301775.1
0.4	15.0	1181067.6
0.8	15.0	1000632.6
1.2	15.0	780355.7
1.6	15.0	570762.0
2.0	15.0	404902.5
0.0	10.0	8685.4
0.0	10.5	57046.8
0.0	11.0	97634.7
0.0	11.5	154113.4
0.0	12.0	238755.6
0.0	12.5	483655.4
0.0	13.0	661030.0
0.0	13.5	883219.9
0.0	14.0	1057605.1
0.0	14.5	1284052.9
0.0	15.0	1284659.5
0.0	15.5	1201942.5
0.0	16.0	1098844.0
0.0	16.5	690713.0
0.0	17.0	540263.2
0.0	17.5	385086.5
0.0	18.0	259235.0
0.0	18.5	166217.0
0.0	19.0	60760.6
0.0	19.5	28426.6
0.0	20.0	5845.5
-0.8	15.0	1138211.7
-0.4	15.0	1269254.5
0.0	15.0	1240868.7
0.4	15.0	1147248.9
0.8	15.0	966561.1
-0.4	13.0	707747.2
-0.4	13.5	878500.1
-0.4	14.0	1066628.9
-0.4	14.5	1264445.7
-0.4	15.0	1252811.1
-0.4	15.5	1157645.7
-0.4	16.0	1036962.9
-0.4	16.5	690973.4
-0.4	17.0	521631.8

6/15/2006 10:56:49 AM aligned for analyte Mn 257.610
X viewing position set to -0.4 mm having Peak intensity 1264445.7 for Axial viewing
Y viewing position set to 14.5 mm having Peak intensity 1264445.7 for Axial viewing

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	173.6
-6.5	15.0	209.7
-6.0	15.0	335.3
-5.5	15.0	592.8
-5.0	15.0	1159.2

-4.5	15.0	2299.0
-4.0	15.0	3999.5
-3.5	15.0	5683.2
-3.0	15.0	7738.8
-2.5	15.0	11381.4
-2.0	15.0	19135.4
-1.5	15.0	50402.2
-1.0	15.0	88733.6
-0.5	15.0	110291.6
0.0	15.0	113172.4
0.5	15.0	107098.3
1.0	15.0	80948.1
1.5	15.0	62757.2
2.0	15.0	42812.6
2.5	15.0	24389.6
3.0	15.0	9114.5
3.5	15.0	2752.1
4.0	15.0	2357.2
4.5	15.0	1125.1
5.0	15.0	507.1
5.5	15.0	237.0
6.0	15.0	137.7
6.5	15.0	109.6
7.0	15.0	90.8

6/15/2006 10:59:43 AM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 113172.4 for Radial viewing

Sequence No.: 1
Sample ID: Calib_Blank_1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/15/2006 11:07:31 AM
Data Type: Reprocessed on 6/16/2006 9:23:27 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Blank_1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	337464.5	1992.64	0.59%	100.00	%
In Radial	16306.7	30.84	0.19%	100.00	%
Y_ Axial	1286828.8	7746.42	0.60%	100.00	%
Y_ Radial	141547.4	2857.40	2.02%	100.00	%
Sc Axial	1406199.7	9344.50	0.66%	100.00	%
Sc Radial	152723.2	3217.09	2.11%	100.00	%
Al_1 396.153 R†	96.2	54.36	56.51%	[0.00]	mg/L
Al_2 308.215 R†	129.4	12.40	9.58%	[0.00]	mg/L
Ca 315.887 R†	-332.4	22.42	6.74%	[0.00]	mg/L
Fe_1 273.955†	68.4	2.32	3.40%	[0.00]	mg/L
Fe_2 238.863 R†	38.0	1.14	2.99%	[0.00]	mg/L
Li 670.784 R†	411.2	71.27	17.33%	[0.00]	mg/L
Mg 279.077 R†	-88.2	2.21	2.51%	[0.00]	mg/L
Na_1 589.592 R†	4426.7	79.80	1.80%	[0.00]	mg/L
Na_2 330.237 R†	41.6	20.94	50.39%	[0.00]	mg/L
Zn 206.200†	20.1	0.86	4.30%	[0.00]	mg/L

Sequence No.: 2
Sample ID: ZZZZZ
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/15/2006 11:11:03 AM
Data Type: Reprocessed on 6/16/2006 9:23:53 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ZZZZZ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	341154.3	101.09	%	0.525				0.52%
In Radial	16463.1	100.96	%	1.786				1.77%
Y_ Axial	1303005.7	101.26	%	0.368				0.36%
Y_ Radial	139084.8	98.260	%	0.9721				0.99%
Sc Axial	1424005.9	101.27	%	0.398				0.39%
Sc Radial	150459.1	98.518	%	1.0726				1.09%
Al_1 396.153 R†	-58.9						12.32	20.93%
Al_2 308.215 R†	6.3						17.49	279.16%
Ca 315.887 R†	-9.2						0.11	1.22%
Fe_1 273.955†	-35.1						37.54	106.94%
Fe_2 238.863 R†	0.6						7.35	>999.9%
Li 670.784 R†	-168.8						144.41	85.57%
Mg 279.077 R†	-0.8						1.52	192.83%
Na_1 589.592 R†	-236.7						26.77	11.31%
Na_2 330.237 R†	-4.5						2.58	56.89%
Zn 206.200†	-2.4						1.80	75.88%

Sequence No.: 3
Sample ID: Calib_Std_1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 6/15/2006 11:16:07 AM
Data Type: Reprocessed on 6/16/2006 9:23:56 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Std_1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	306282.6	826.87	0.27%	90.760	%
In Radial	15533.6	184.11	1.19%	95.259	%
Y_ Axial	1231016.9	3381.44	0.27%	95.663	%
Y_ Radial	133913.5	972.86	0.73%	94.607	%
Sc Axial	1361034.7	4073.74	0.30%	96.788	%
Sc Radial	145550.6	888.47	0.61%	95.304	%
Al_1 396.153 Rt	606280.8	971.73	0.16%	[50]	mg/L
Al_2 308.215 Rt	175653.4	429.75	0.24%	[50]	mg/L
Ca 315.887 Rt	888418.3	200.25	0.02%	[50]	mg/L
Fe_1 273.955t	2436031.3	4622.97	0.19%	[50]	mg/L
Fe_2 238.863 Rt	56279.8	4.19	0.01%	[50]	mg/L
Mg 279.077 Rt	108509.3	41.60	0.04%	[50]	mg/L
Na_1 589.592 Rt	540331.4	1484.37	0.27%	[50]	mg/L
Na_2 330.237 Rt	3753.8	13.70	0.37%	[50]	mg/L
Zn 206.200t	156849.8	328.40	0.21%	[5.0]	mg/L

Sequence No.: 4
Sample ID: Calib_Std_2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/15/2006 11:18:25 AM
Data Type: Reprocessed on 6/16/2006 9:23:57 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Std_2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	261149.8	357.46	0.14%	77.386	%
In Radial	14152.1	373.77	2.64%	86.787	%
Y_ Axial	1113396.3	3798.17	0.34%	86.522	%
Y_ Radial	123889.2	2627.71	2.12%	87.525	%
Sc Axial	1229820.0	3635.23	0.30%	87.457	%
Sc Radial	134000.1	2845.23	2.12%	87.740	%
Al_2 308.215 Rt	891633.7	21724.89	2.44%	[250]	mg/L
Ca 315.887 Rt	4387601.0	114469.47	2.61%	[250]	mg/L
Fe_2 238.863 Rt	275689.4	7032.98	2.55%	[250]	mg/L
Mg 279.077 Rt	530284.8	14138.43	2.67%	[250]	mg/L
Na_1 589.592 Rt	2786716.5	69682.74	2.50%	[250]	mg/L
Na_2 330.237 Rt	17835.6	68.85	0.39%	[250]	mg/L

Sequence No.: 5
Sample ID: ICV4
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 6/15/2006 11:20:49 AM
Data Type: Reprocessed on 6/16/2006 9:23:58 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICV4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	328173.3	97.247	%	0.2398				0.25%
In Radial	16368.4	100.38	%	0.406				0.40%
Y_ Axial	1252913.4	97.364	%	0.5151				0.53%
Y_ Radial	139249.6	98.377	%	0.1155				0.12%
Sc Axial	1378161.0	98.006	%	0.4773				0.49%
Sc Radial	146923.5	96.202	%	0.2180				0.23%
Al_1 396.153 R†	119673.9	9.8695	mg/L	0.01078	9.8695	mg/L	0.01078	0.11%
Al_2 308.215 R†	35625.7	9.9946	mg/L	0.01147	9.9946	mg/L	0.01147	0.11%
Ca 315.887 R†	176654.0	10.061	mg/L	0.0143	10.061	mg/L	0.0143	0.14%
Fe_1 273.955†	512142.4	10.512	mg/L	0.0695	10.512	mg/L	0.0695	0.66%
Fe_2 238.863 R†	11513.4	10.432	mg/L	0.0255	10.432	mg/L	0.0255	0.24%
Mg 279.077 R†	22340.4	10.523	mg/L	0.0210	10.523	mg/L	0.0210	0.20%
Na_1 589.592 R†	108457.9	9.7413	mg/L	0.00685	9.7413	mg/L	0.00685	0.07%
Na_2 330.237 R†	767.3	10.130	mg/L	0.3998	10.130	mg/L	0.3998	3.95%
Zn 206.200†	32907.7	1.0490	mg/L	0.00806	1.0490	mg/L	0.00806	0.77%

Sequence No.: 6
Sample ID: ICB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 6/15/2006 11:23:11 AM
Data Type: Reprocessed on 6/16/2006 9:23:59 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	345533.2	102.39	%	0.335				0.33%
In Radial	16475.0	101.03	%	0.003				0.00%
Y_ Axial	1304873.4	101.40	%	2.526				2.49%
Y_ Radial	139335.3	98.437	%	2.2895				2.33%
Sc Axial	1427627.6	101.52	%	2.523				2.49%
Sc Radial	150722.5	98.690	%	2.2686				2.30%
Al_1 396.153 Rt	10.5	0.00087	mg/L	0.000640	0.00087	mg/L	0.000640	73.72%
Al_2 308.215 Rt	27.2	0.00762	mg/L	0.000529	0.00762	mg/L	0.000529	6.93%
Ca 315.887 Rt	16.3	0.00093	mg/L	0.000646	0.00093	mg/L	0.000646	69.75%
Fe_1 273.955†	224.5	0.00461	mg/L	0.001233	0.00461	mg/L	0.001233	26.76%
Fe_2 238.863 Rt	7.6	0.00687	mg/L	0.005920	0.00687	mg/L	0.005920	86.22%
Mg 279.077 Rt	-4.4	-0.00209	mg/L	0.001515	-0.00209	mg/L	0.001515	72.31%
Na_1 589.592 Rt	631.6	0.05673	mg/L	0.006370	0.05673	mg/L	0.006370	11.23%
Na_2 330.237 Rt	-2.3	-0.03277	mg/L	0.277746	-0.03277	mg/L	0.277746	847.57%
Zn 206.200†	9.0	0.00029	mg/L	0.000069	0.00029	mg/L	0.000069	23.96%

Sequence No.: 7
Sample ID: PQL
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 6/15/2006 11:26:49 AM
Data Type: Reprocessed on 6/16/2006 9:24:00 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: PQL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	344887.6	102.20	%	2.131				2.08%
In Radial	16596.3	101.78	%	0.333				0.33%
Y_ Axial	1309235.0	101.74	%	2.283				2.24%
Y_ Radial	139337.5	98.439	%	0.4921				0.50%
Sc Axial	1428829.6	101.61	%	2.274				2.24%
Sc Radial	150317.5	98.425	%	0.2976				0.30%
Al_1 396.153 R†	1258.0	0.10375	mg/L	0.001375	124.55	mg/L	1.650	1.33%
Al_2 308.215 R†	369.2	0.10357	mg/L	0.001649	124.34	mg/L	1.979	1.59%
Ca 315.887 R†	2428.8	0.13832	mg/L	0.000034	166.05	mg/L	0.040	0.02%
Fe_1 273.955†	1592.7	0.03269	mg/L	0.003723	39.244	mg/L	4.4690	11.39%
Fe_2 238.863 R†	32.1	0.02904	mg/L	0.003924	34.866	mg/L	4.7103	13.51%
Mg 279.077 R†	221.5	0.10433	mg/L	0.002417	125.25	mg/L	2.901	2.32%
Na_1 589.592 R†	3090.3	0.27756	mg/L	0.010015	333.20	mg/L	12.023	3.61%
Na_2 330.237 R†	15.7	0.21474	mg/L	0.051527	257.79	mg/L	61.857	23.99%
Zn 206.200†	200.4	0.00639	mg/L	0.000065	7.6695	mg/L	0.07857	1.02%

Sequence No.: 8
Sample ID: ICSA
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 6/15/2006 11:30:24 AM
Data Type: Reprocessed on 6/16/2006 9:24:01 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	264255.2	78.306	%	0.3911				0.50%
In Radial	14056.2	86.199	%	0.0955				0.11%
Y_ Axial	1105506.2	85.909	%	0.1395				0.16%
Y_ Radial	124672.2	88.078	%	0.2383				0.27%
Sc Axial	1216063.6	86.479	%	0.3129				0.36%
Sc Radial	133655.3	87.515	%	0.0205				0.02%
Al_1 396.153 Rt	6217724.5	512.78	mg/L	1.954	512.78	mg/L	1.954	0.38%
Al_2 308.215 Rt	1791022.9	502.46	mg/L	9.756	502.46	mg/L	9.756	1.94%
Ca 315.887 Rt	8694014.2	495.14	mg/L	2.239	495.14	mg/L	2.239	0.45%
Fe_1 273.955t	9197307.0	188.78	mg/L	0.856	188.78	mg/L	0.856	0.45%
Fe_2 238.863 Rt	214810.4	194.64	mg/L	0.400	194.64	mg/L	0.400	0.21%
Mg 279.077 Rt	1045378.7	492.40	mg/L	11.158	492.40	mg/L	11.158	2.27%
Na_1 589.592 Rt	213.6	0.01919	mg/L	0.012025	0.01919	mg/L	0.012025	62.67%
Na_2 330.237 Rt	32.5	-1.1689	mg/L	1.13585	-1.1689	mg/L	1.13585	97.17%
Zn 206.200t	339.4	0.01082	mg/L	0.000895	0.01082	mg/L	0.000895	8.27%

Sequence No.: 9
Sample ID: ICSAB_4.0
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 6/15/2006 11:32:56 AM
Data Type: Reprocessed on 6/16/2006 9:24:02 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICSAB_4.0

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	267313.7	79.212	%	1.1815				1.49%
In Radial	14014.3	85.942	%	0.8170				0.95%
Y_ Axial	1107094.5	86.033	%	1.3315				1.55%
Y_ Radial	122741.8	86.714	%	0.7522				0.87%
Sc Axial	1222119.1	86.909	%	1.3959				1.61%
Sc Radial	131724.0	86.250	%	0.5275				0.61%
Al_1 396.153 R†	6317641.7	521.02	mg/L	9.533	521.02	mg/L	9.533	1.83%
Al_2 308.215 R†	1838733.8	515.85	mg/L	7.144	515.85	mg/L	7.144	1.38%
Ca 315.887 R†	8788040.8	500.49	mg/L	10.268	500.49	mg/L	10.268	2.05%
Fe_1 273.955†	9162637.6	188.06	mg/L	0.281	188.06	mg/L	0.281	0.15%
Fe_2 238.863 R†	214875.2	194.70	mg/L	0.531	194.70	mg/L	0.531	0.27%
Mg 279.077 R†	1079541.0	508.49	mg/L	8.448	508.49	mg/L	8.448	1.66%
Na_1 589.592 R†	-21.6	-0.00194	mg/L	0.017052	-0.00194	mg/L	0.017052	879.94%
Na_2 330.237 R†	40.7	-1.6222	mg/L	0.38426	-1.6222	mg/L	0.38426	23.69%
Zn 206.200†	30092.5	0.95928	mg/L	0.031686	0.95928	mg/L	0.031686	3.30%

Sequence No.: 10
Sample ID: FB1815158
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 6/15/2006 11:39:26 AM
Data Type: Reprocessed on 6/16/2006 9:24:04 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: FB1815158

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	348981.6	103.41	%	0.396				0.38%
In Radial	16931.2	103.83	%	0.707				0.68%
Y_ Axial	1323411.4	102.84	%	0.332				0.32%
Y_ Radial	144959.5	102.41	%	0.604				0.59%
Sc Axial	1445642.7	102.80	%	0.286				0.28%
Sc Radial	156315.6	102.35	%	0.729				0.71%
Al_1 396.153 R†	113.5	0.00936	mg/L	0.001026	11.237	mg/L	1.2313	10.96%
Al_2 308.215 R†	55.2	0.01549	mg/L	0.003268	18.596	mg/L	3.9227	21.09%
Ca 315.887 R†	4563.9	0.25992	mg/L	0.002230	312.03	mg/L	2.677	0.86%
Fe_1 273.955†	717.4	0.01473	mg/L	0.000176	17.677	mg/L	0.2111	1.19%
Fe_2 238.863 R†	22.4	0.02026	mg/L	0.000477	24.317	mg/L	0.5727	2.36%
Mg 279.077 R†	73.4	0.03456	mg/L	0.001248	41.490	mg/L	1.4981	3.61%
Na_1 589.592 R†	4714.2	0.42341	mg/L	0.005070	508.30	mg/L	6.087	1.20%
Na_2 330.237 R†	-5.0	-0.07314	mg/L	0.085301	-87.807	mg/L	102.4027	116.62%
Zn 206.200†	76.2	0.00243	mg/L	0.000004	2.9179	mg/L	0.00487	0.17%

Sequence No.: 11
Sample ID: H64HQB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 6/15/2006 11:43:03 AM
Data Type: Reprocessed on 6/16/2006 9:24:04 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H64HQB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	352271.9	104.39	%	0.182				0.17%
In Radial	16767.9	102.83	%	0.898				0.87%
Y_ Axial	1332650.9	103.56	%	0.317				0.31%
Y_ Radial	142702.5	100.82	%	1.565				1.55%
Sc Axial	1454523.5	103.44	%	0.166				0.16%
Sc Radial	153816.1	100.72	%	1.572				1.56%
Al_1 396.153 R†	-42.5	-0.00350	mg/L	0.000255	-4.2050	mg/L	0.30609	7.28%
Al_2 308.215 R†	11.7	0.00328	mg/L	0.002180	3.9363	mg/L	2.61647	66.47%
Ca 315.887 R†	1.4	0.00008	mg/L	0.000741	0.09711	mg/L	0.889619	916.10%
Fe_1 273.955†	234.7	0.00482	mg/L	0.000445	5.7837	mg/L	0.53476	9.25%
Fe_2 238.863 R†	8.6	0.00775	mg/L	0.005159	9.3069	mg/L	6.19296	66.54%
Mg 279.077 R†	17.6	0.00830	mg/L	0.011954	9.9692	mg/L	14.35066	143.95%
Na_1 589.592 R†	-354.1	-0.03180	mg/L	0.007549	-38.179	mg/L	9.0621	23.74%
Na_2 330.237 R†	-9.2	-0.12963	mg/L	0.028138	-155.62	mg/L	33.779	21.71%
Zn 206.200†	34.9	0.00111	mg/L	0.000025	1.3351	mg/L	0.02944	2.21%

Sequence No.: 12
Sample ID: H64HQC
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 6/15/2006 11:46:39 AM
Data Type: Reprocessed on 6/16/2006 9:24:05 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H64HQC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	319606.6	94.708	%	0.4906				0.52%
In Radial	16389.7	100.51	%	0.341				0.34%
Y_ Axial	1243304.8	96.618	%	1.4799				1.53%
Y_ Radial	134430.7	94.972	%	0.3298				0.35%
Sc Axial	1369561.7	97.395	%	1.4181				1.46%
Sc Radial	146449.5	95.892	%	0.5282				0.55%
Al_1 396.153 R†	24414.4	2.0135	mg/L	0.00663	2417.1	mg/L	7.96	0.33%
Al_2 308.215 R†	7100.2	1.9919	mg/L	0.00077	2391.3	mg/L	0.92	0.04%
Ca 315.887 R†	851425.3	48.490	mg/L	0.1046	58211	mg/L	125.6	0.22%
Fe_1 273.955†	49332.4	1.0126	mg/L	0.02121	1215.6	mg/L	25.46	2.09%
Fe_2 238.863 R†	1173.7	1.0635	mg/L	0.00347	1276.7	mg/L	4.16	0.33%
Mg 279.077 R†	104115.3	49.041	mg/L	0.1784	58873	mg/L	214.1	0.36%
Na_1 589.592 R†	531481.2	47.736	mg/L	0.0637	57306	mg/L	76.5	0.13%
Na_2 330.237 R†	3537.9	48.962	mg/L	0.2383	58778	mg/L	286.1	0.49%
Zn 206.200†	15890.6	0.50655	mg/L	0.012240	608.11	mg/L	14.694	2.42%

Sequence No.: 13
Sample ID: H64HQL
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 6/15/2006 11:49:39 AM
Data Type: Reprocessed on 6/16/2006 9:24:06 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H64HQL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	320230.3	94.893	%	0.8673				0.91%
In Radial	16249.9	99.652	%	0.3287				0.33%
Y_ Axial	1244506.8	96.711	%	0.2682				0.28%
Y_ Radial	136951.2	96.753	%	0.4667				0.48%
Sc Axial	1370155.9	97.437	%	0.2738				0.28%
Sc Radial	149182.1	97.681	%	0.5369				0.55%
Al_1 396.153 Rt	24426.7	2.0145	mg/L	0.00287	2418.3	mg/L	3.45	0.14%
Al_2 308.215 Rt	6959.4	1.9524	mg/L	0.01504	2343.8	mg/L	18.06	0.77%
Ca 315.887 Rt	858957.1	48.919	mg/L	0.0392	58726	mg/L	47.1	0.08%
Fe_1 273.955†	49519.6	1.0164	mg/L	0.00394	1220.2	mg/L	4.73	0.39%
Fe_2 238.863 Rt	1150.4	1.0424	mg/L	0.00916	1251.3	mg/L	10.99	0.88%
Mg 279.077 Rt	105493.8	49.690	mg/L	0.2389	59652	mg/L	286.8	0.48%
Na_1 589.592 Rt	535242.8	48.074	mg/L	0.0064	57712	mg/L	7.6	0.01%
Na_2 330.237 Rt	3478.3	48.126	mg/L	0.5932	57775	mg/L	712.2	1.23%
Zn 206.200†	15929.0	0.50778	mg/L	0.003271	609.58	mg/L	3.927	0.64%

Sequence No.: 14
Sample ID: H6LTF
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 6/15/2006 11:53:06 AM
Data Type: Reprocessed on 6/16/2006 9:24:09 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTF

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	350144.3	103.76	%	0.971				0.94%
In Radial	17119.3	104.98	%	0.097				0.09%
Y_ Axial	1315745.4	102.25	%	1.256				1.23%
Y_ Radial	141897.5	100.25	%	0.455				0.45%
Sc Axial	1436955.9	102.19	%	1.187				1.16%
Sc Radial	153078.6	100.23	%	0.384				0.38%
Al_1 396.153 Rt	1355.6	0.11180	mg/L	0.001529	134.21	mg/L	1.835	1.37%
Al_2 308.215 Rt	411.0	0.11529	mg/L	0.002594	138.41	mg/L	3.114	2.25%
Ca 315.887 Rt	8621.3	0.49100	mg/L	0.001063	589.43	mg/L	1.277	0.22%
Fe_1 273.955t	7043.8	0.14458	mg/L	0.000533	173.56	mg/L	0.639	0.37%
Fe_2 238.863 Rt	157.0	0.14226	mg/L	0.002543	170.78	mg/L	3.052	1.79%
Mg 279.077 Rt	255.0	0.12011	mg/L	0.000152	144.18	mg/L	0.183	0.13%
Na_1 589.592 Rt	9101.4	0.81746	mg/L	0.006667	981.34	mg/L	8.004	0.82%
Na_2 330.237 Rt	39.5	0.54685	mg/L	0.001634	656.48	mg/L	1.961	0.30%
Zn 206.200t	182.9	0.00583	mg/L	0.000058	6.9997	mg/L	0.06910	0.99%

Sequence No.: 15
Sample ID: H6LTFP5
Analyst: AWW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 44
Date Collected: 6/15/2006 11:56:39 AM
Data Type: Reprocessed on 6/16/2006 9:24:09 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTFP5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	352717.8	104.52	%	1.761				1.68%
In Radial	16749.4	102.71	%	0.794				0.77%
Y_ Axial	1334278.0	103.69	%	1.481				1.43%
Y_ Radial	144057.8	101.77	%	2.799				2.75%
Sc Axial	1458890.7	103.75	%	1.604				1.55%
Sc Radial	155710.7	101.96	%	2.820				2.77%
Al_1 396.153 R†	288.1	0.02376	mg/L	0.006361	142.61	mg/L	38.179	26.77%
Al_2 308.215 R†	80.3	0.02252	mg/L	0.001895	135.18	mg/L	11.374	8.41%
Ca 315.887 R†	2137.6	0.12174	mg/L	0.003592	730.72	mg/L	21.561	2.95%
Fe_1 273.955†	1353.2	0.02778	mg/L	0.000394	166.72	mg/L	2.363	1.42%
Fe_2 238.863 R†	21.8	0.01972	mg/L	0.005766	118.37	mg/L	34.611	29.24%
Mg 279.077 R†	46.3	0.02182	mg/L	0.002448	130.99	mg/L	14.695	11.22%
Na_1 589.592 R†	1919.5	0.17240	mg/L	0.015781	1034.8	mg/L	94.72	9.15%
Na_2 330.237 R†	4.5	0.06052	mg/L	0.177434	363.27	mg/L	1065.030	293.18%
Zn 206.200†	135.4	0.00432	mg/L	0.000058	25.905	mg/L	0.3459	1.34%

Sequence No.: 16
Sample ID: H6LTFZ
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 6/15/2006 12:00:12 PM
Data Type: Reprocessed on 6/16/2006 9:24:11 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTFZ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	320354.3	94.930	%	0.5806				0.61%
In Radial	16501.2	101.19	%	0.515				0.51%
Y_ Axial	1251879.4	97.284	%	0.9968				1.02%
Y_ Radial	137038.9	96.815	%	2.3983				2.48%
Sc Axial	1378726.0	98.046	%	0.9327				0.95%
Sc Radial	149245.9	97.723	%	2.5181				2.58%
Al_1 396.153 R†	27391.7	2.2590	mg/L	0.00821	2711.9	mg/L	9.86	0.36%
Al_2 308.215 R†	7892.3	2.2141	mg/L	0.06459	2658.0	mg/L	77.54	2.92%
Ca 315.887 R†	919277.5	52.354	mg/L	0.2975	62850	mg/L	357.2	0.57%
Fe_1 273.955†	58846.9	1.2078	mg/L	0.00376	1450.0	mg/L	4.51	0.31%
Fe_2 238.863 R†	1404.4	1.2725	mg/L	0.03003	1527.6	mg/L	36.05	2.36%
Mg 279.077 R†	112159.0	52.830	mg/L	0.3128	63421	mg/L	375.5	0.59%
Na_1 589.592 R†	564491.5	50.701	mg/L	0.0624	60865	mg/L	74.9	0.12%
Na_2 330.237 R†	3710.9	51.344	mg/L	1.4234	61637	mg/L	1708.8	2.77%
Zn 206.200†	17022.0	0.54262	mg/L	0.000337	651.41	mg/L	0.404	0.06%

Sequence No.: 17
Sample ID: CCV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/15/2006 12:03:39 PM
Data Type: Reprocessed on 6/16/2006 9:24:12 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	323472.5	95.854	%	0.5189				0.54%
In Radial	16471.2	101.01	%	2.853				2.82%
Y_ Axial	1265856.5	98.370	%	0.2994				0.30%
Y_ Radial	139106.0	98.275	%	1.8337				1.87%
Sc Axial	1395978.5	99.273	%	0.3871				0.39%
Sc Radial	150829.7	98.760	%	1.9687				1.99%
Al_1 396.153 Rt	293240.8	24.184	mg/L	1.2032	24.184	mg/L	1.2032	4.98%
Al_2 308.215 Rt	86495.5	24.266	mg/L	0.1092	24.266	mg/L	0.1092	0.45%
Ca 315.887 Rt	433288.3	24.676	mg/L	1.3857	24.676	mg/L	1.3857	5.62% ✓
Fe_1 273.955†	1209134.0	24.818	mg/L	0.0351	24.818	mg/L	0.0351	0.14%
Fe_2 238.863 Rt	27820.9	25.208	mg/L	0.2146	25.208	mg/L	0.2146	0.85%
Mg 279.077 Rt	53616.6	25.255	mg/L	0.0877	25.255	mg/L	0.0877	0.35%
Na_1 589.592 Rt	263985.2	23.710	mg/L	1.2119	23.710	mg/L	1.2119	5.11% ✓
Na_2 330.237 Rt	1871.6	24.750	mg/L	0.0233	24.750	mg/L	0.0233	0.09%
Zn 206.200†	78077.5	2.4889	mg/L	0.00013	2.4889	mg/L	0.00013	0.01%

Sequence No.: 18
Sample ID: CCB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/15/2006 12:06:02 PM
Data Type: Reprocessed on 6/16/2006 9:24:13 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	350423.6	103.84	%	1.029				0.99%
In Radial	16711.3	102.48	%	1.092				1.07%
Y_ Axial	1326268.6	103.06	%	1.069				1.04%
Y_ Radial	137231.0	96.951	%	2.1968				2.27%
Sc Axial	1450485.3	103.15	%	1.127				1.09%
Sc Radial	148383.1	97.158	%	2.2454				2.31%
Al_1 396.153 Rt	32.1	0.00265	mg/L	0.005646	0.00265	mg/L	0.005646	213.26%
Al_2 308.215 Rt	17.3	0.00484	mg/L	0.003420	0.00484	mg/L	0.003420	70.66%
Ca 315.887 Rt	9.7	0.00055	mg/L	0.000808	0.00055	mg/L	0.000808	145.65%
Fe_1 273.955†	55.2	0.00113	mg/L	0.000130	0.00113	mg/L	0.000130	11.47%
Fe_2 238.863 Rt	13.6	0.01228	mg/L	0.006318	0.01228	mg/L	0.006318	51.45%
Mg 279.077 Rt	-3.9	-0.00181	mg/L	0.007648	-0.00181	mg/L	0.007648	421.40%
Na_1 589.592 Rt	493.0	0.04428	mg/L	0.008557	0.04428	mg/L	0.008557	19.33%
Na_2 330.237 Rt	3.7	0.05126	mg/L	0.168160	0.05126	mg/L	0.168160	328.03%
Zn 206.200†	6.2	0.00020	mg/L	0.000032	0.00020	mg/L	0.000032	16.29%

Sequence No.: 19
Sample ID: H6LTG
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 6/15/2006 12:09:40 PM
Data Type: Reprocessed on 6/16/2006 9:24:14 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTG

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	358552.6	106.25	%	2.634				2.48%
In Radial	17104.6	104.89	%	0.180				0.17%
Y_ Axial	1353939.7	105.22	%	2.562				2.44%
Y_ Radial	144465.8	102.06	%	2.090				2.05%
Sc Axial	1479310.5	105.20	%	2.545				2.42%
Sc Radial	155948.8	102.11	%	2.224				2.18%
Al_1 396.153 Rt	1340.5	0.11055	mg/L	0.006064	132.71	mg/L	7.279	5.49%
Al_2 308.215 Rt	399.6	0.11211	mg/L	0.000229	134.58	mg/L	0.275	0.20%
Ca 315.887 Rt	8496.5	0.48389	mg/L	0.001832	580.90	mg/L	2.199	0.38%
Fe_1 273.955†	6201.7	0.12729	mg/L	0.002350	152.81	mg/L	2.821	1.85%
Fe_2 238.863 Rt	136.5	0.12369	mg/L	0.018733	148.49	mg/L	22.489	15.14%
Mg 279.077 Rt	229.5	0.10808	mg/L	0.006615	129.75	mg/L	7.942	6.12%
Na_1 589.592 Rt	8942.2	0.80316	mg/L	0.003543	964.18	mg/L	4.254	0.44%
Na_2 330.237 Rt	53.7	0.74683	mg/L	0.057185	896.56	mg/L	68.650	7.66%
Zn 206.200†	172.5	0.00550	mg/L	0.000232	6.6027	mg/L	0.27891	4.22%

Sequence No.: 20
Sample ID: H6LTH
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 6/15/2006 12:13:17 PM
Data Type: Reprocessed on 6/16/2006 9:24:15 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTH

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	351218.3	104.08	%	0.841				0.81%
In Radial	17158.4	105.22	%	0.315				0.30%
Y_ Axial	1325329.5	102.99	%	0.756				0.73%
Y_ Radial	145848.4	103.04	%	1.966				1.91%
Sc Axial	1448701.7	103.02	%	0.806				0.78%
Sc Radial	157531.3	103.15	%	1.890				1.83%
Al_1 396.153 R†	1440.7	0.11882	mg/L	0.006975	142.64	mg/L	8.373	5.87%
Al_2 308.215 R†	417.6	0.11716	mg/L	0.004629	140.65	mg/L	5.557	3.95%
Ca 315.887 R†	8486.8	0.48334	mg/L	0.004060	580.24	mg/L	4.873	0.84%
Fe_1 273.955†	7310.7	0.15005	mg/L	0.000055	180.14	mg/L	0.065	0.04%
Fe_2 238.863 R†	168.8	0.15292	mg/L	0.002454	183.57	mg/L	2.946	1.60%
Mg 279.077 R†	237.2	0.11175	mg/L	0.001402	134.15	mg/L	1.683	1.25%
Na_1 589.592 R†	7615.7	0.68402	mg/L	0.008700	821.15	mg/L	10.444	1.27%
Na_2 330.237 R†	36.0	0.49874	mg/L	0.183493	598.72	mg/L	220.280	36.79%
Zn 206.200†	173.4	0.00553	mg/L	0.000060	6.6366	mg/L	0.07168	1.08%

Sequence No.: 21
Sample ID: H6LTK
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 6/15/2006 12:16:52 PM
Data Type: Reprocessed on 6/16/2006 9:24:17 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	348221.4	103.19	%	0.026				0.03%
In Radial	17268.5	105.90	%	0.398				0.38%
Y_ Axial	1307901.2	101.64	%	0.100				0.10%
Y_ Radial	146572.4	103.55	%	2.423				2.34%
Sc Axial	1431006.7	101.76	%	0.089				0.09%
Sc Radial	158012.4	103.46	%	2.592				2.51%
Al_1 396.153 R†	1853.5	0.15286	mg/L	0.002692	183.51	mg/L	3.232	1.76%
Al_2 308.215 R†	526.7	0.14776	mg/L	0.001992	177.38	mg/L	2.392	1.35%
Ca 315.887 R†	9532.8	0.54291	mg/L	0.000986	651.75	mg/L	1.183	0.18%
Fe_1 273.955†	9869.0	0.20256	mg/L	0.000863	243.17	mg/L	1.036	0.43%
Fe_2 238.863 R†	218.8	0.19822	mg/L	0.011262	237.96	mg/L	13.520	5.68%
Mg 279.077 R†	294.5	0.13871	mg/L	0.001441	166.52	mg/L	1.730	1.04%
Na_1 589.592 R†	8865.7	0.79629	mg/L	0.007600	955.93	mg/L	9.123	0.95%
Na_2 330.237 R†	32.4	0.44571	mg/L	0.135158	535.07	mg/L	162.255	30.32%
Zn 206.200†	294.9	0.00940	mg/L	0.000013	11.285	mg/L	0.0156	0.14%

Sequence No.: 22
Sample ID: H6LTL
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 6/15/2006 12:20:25 PM
Data Type: Reprocessed on 6/16/2006 9:24:17 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	359718.0	106.59	%	1.228				1.15%
In Radial	17168.7	105.29	%	0.294				0.28%
Y_ Axial	1352087.0	105.07	%	1.077				1.03%
Y_ Radial	144307.3	101.95	%	0.828				0.81%
Sc Axial	1479804.0	105.23	%	1.034				0.98%
Sc Radial	155640.6	101.91	%	0.666				0.65%
Al_1 396.153 R†	4211.3	0.34730	mg/L	0.005480	416.93	mg/L	6.579	1.58%
Al_2 308.215 R†	1185.5	0.33258	mg/L	0.004657	399.26	mg/L	5.591	1.40%
Ca 315.887 R†	9955.3	0.56697	mg/L	0.004802	680.64	mg/L	5.765	0.85%
Fe_1 273.955†	33916.7	0.69615	mg/L	0.001023	835.71	mg/L	1.228	0.15%
Fe_2 238.863 R†	760.9	0.68943	mg/L	0.018420	827.65	mg/L	22.112	2.67%
Mg 279.077 R†	421.9	0.19871	mg/L	0.000325	238.54	mg/L	0.390	0.16%
Na_1 589.592 R†	10211.0	0.91712	mg/L	0.001745	1101.0	mg/L	2.10	0.19%
Na_2 330.237 R†	29.3	0.40561	mg/L	0.372576	486.93	mg/L	447.270	91.86%
Zn 206.200†	247.7	0.00790	mg/L	0.000050	9.4795	mg/L	0.05973	0.63%

Sequence No.: 23
Sample ID: H6LTM
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 6/15/2006 12:24:00 PM
Data Type: Reprocessed on 6/16/2006 9:24:18 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTM

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	349856.8	103.67	%	2.316				2.23%
In Radial	17218.3	105.59	%	0.265				0.25%
Y_ Axial	1317908.9	102.42	%	2.161				2.11%
Y_ Radial	144264.3	101.92	%	1.412				1.39%
Sc Axial	1438858.7	102.32	%	2.249				2.20%
Sc Radial	155858.7	102.05	%	1.307				1.28%
Al_1 396.153 R†	2047.6	0.16887	mg/L	0.006849	202.72	mg/L	8.222	4.06%
Al_2 308.215 R†	581.6	0.16316	mg/L	0.003398	195.86	mg/L	4.079	2.08%
Ca 315.887 R†	8051.0	0.45851	mg/L	0.002136	550.44	mg/L	2.564	0.47%
Fe_1 273.955†	8594.5	0.17640	mg/L	0.004897	211.77	mg/L	5.878	2.78%
Fe_2 238.863 R†	197.3	0.17873	mg/L	0.008376	214.56	mg/L	10.055	4.69%
Mg 279.077 R†	257.2	0.12116	mg/L	0.000235	145.45	mg/L	0.282	0.19%
Na_1 589.592 R†	8701.0	0.78150	mg/L	0.009547	938.18	mg/L	11.461	1.22%
Na_2 330.237 R†	33.7	0.46659	mg/L	0.161378	560.13	mg/L	193.731	34.59%
Zn 206.200†	195.7	0.00624	mg/L	0.000212	7.4892	mg/L	0.25473	3.40%

Sequence No.: 24
Sample ID: H6LTN
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 6/15/2006 12:27:33 PM
Data Type: Reprocessed on 6/16/2006 9:24:19 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	354903.7	105.17	%	0.096				0.09%
In Radial	17227.4	105.65	%	0.851				0.81%
Y_ Axial	1340694.2	104.19	%	0.102				0.10%
Y_ Radial	143528.7	101.40	%	1.357				1.34%
Sc Axial	1466300.7	104.27	%	0.074				0.07%
Sc Radial	155170.4	101.60	%	1.319				1.30%
Al_1 396.153 Rt	1442.4	0.11896	mg/L	0.004272	142.81	mg/L	5.128	3.59%
Al_2 308.215 Rt	424.5	0.11910	mg/L	0.002031	142.97	mg/L	2.438	1.71%
Ca 315.887 Rt	6719.2	0.38267	mg/L	0.001936	459.39	mg/L	2.325	0.51%
Fe_1 273.955†	6973.6	0.14313	mg/L	0.000307	171.83	mg/L	0.369	0.21%
Fe_2 238.863 Rt	157.7	0.14292	mg/L	0.010743	171.57	mg/L	12.897	7.52%
Mg 279.077 Rt	216.0	0.10173	mg/L	0.013019	122.12	mg/L	15.629	12.80%
Na_1 589.592 Rt	5706.6	0.51254	mg/L	0.016046	615.30	mg/L	19.263	3.13%
Na_2 330.237 Rt	19.7	0.27071	mg/L	0.217492	324.98	mg/L	261.095	80.34%
Zn 206.200†	211.3	0.00674	mg/L	0.000074	8.0857	mg/L	0.08859	1.10%

Sequence No.: 25
Sample ID: H6LTQ
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 6/15/2006 12:31:08 PM
Data Type: Reprocessed on 6/16/2006 9:24:21 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTQ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	357745.7	106.01	%	1.021				0.96%
In Radial	17165.9	105.27	%	1.331				1.26%
Y_ Axial	1355785.4	105.36	%	0.747				0.71%
Y_ Radial	144722.6	102.24	%	1.380				1.35%
Sc Axial	1478044.4	105.11	%	0.855				0.81%
Sc Radial	156235.9	102.30	%	1.203				1.18%
Al_1 396.153 R†	112.3	0.00926	mg/L	0.001687	11.114	mg/L	2.0254	18.22%
Al_2 308.215 R†	41.7	0.01171	mg/L	0.001186	14.054	mg/L	1.4239	10.13%
Ca 315.887 R†	3624.1	0.20640	mg/L	0.000195	247.78	mg/L	0.234	0.09%
Fe_1 273.955†	613.0	0.01258	mg/L	0.000142	15.103	mg/L	0.1703	1.13%
Fe_2 238.863 R†	14.6	0.01325	mg/L	0.005386	15.908	mg/L	6.4653	40.64%
Mg 279.077 R†	45.1	0.02124	mg/L	0.005085	25.502	mg/L	6.1044	23.94%
Na_1 589.592 R†	4933.7	0.44313	mg/L	0.017065	531.97	mg/L	20.486	3.85%
Na_2 330.237 R†	12.0	0.16608	mg/L	0.033983	199.38	mg/L	40.796	20.46%
Zn 206.200†	77.0	0.00245	mg/L	0.000147	2.9456	mg/L	0.17620	5.98%

Sequence No.: 26
Sample ID: H6LTV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 6/15/2006 12:34:44 PM
Data Type: Reprocessed on 6/16/2006 9:24:22 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	358004.8	106.09	%	0.806				0.76%
In Radial	17277.1	105.95	%	0.404				0.38%
Y_ Axial	1350668.2	104.96	%	0.954				0.91%
Y_ Radial	143633.9	101.47	%	2.326				2.29%
Sc Axial	1477576.6	105.08	%	0.963				0.92%
Sc Radial	154989.6	101.48	%	2.340				2.31%
Al_1 396.153 Rt	4451.9	0.36715	mg/L	0.010103	440.76	mg/L	12.129	2.75%
Al_2 308.215 Rt	1302.3	0.36537	mg/L	0.007455	438.61	mg/L	8.950	2.04%
Ca 315.887 Rt	13710.0	0.78080	mg/L	0.000499	937.34	mg/L	0.599	0.06%
Fe_1 273.955†	21398.4	0.43921	mg/L	0.005543	527.26	mg/L	6.654	1.26%
Fe_2 238.863 Rt	492.1	0.44588	mg/L	0.007278	535.27	mg/L	8.738	1.63%
Mg 279.077 Rt	556.4	0.26206	mg/L	0.003571	314.59	mg/L	4.287	1.36%
Na_1 589.592 Rt	7849.5	0.70502	mg/L	0.004058	846.36	mg/L	4.871	0.58%
Na_2 330.237 Rt	36.8	0.50791	mg/L	0.311639	609.74	mg/L	374.117	61.36%
Zn 206.200†	286.1	0.00912	mg/L	0.000201	10.948	mg/L	0.2415	2.21%

Sequence No.: 27
Sample ID: H6LTX
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 6/15/2006 12:38:17 PM
Data Type: Reprocessed on 6/16/2006 9:24:23 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTX

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	353235.5	104.67	%	1.018				0.97%
In Radial	17343.0	106.36	%	0.599				0.56%
Y_ Axial	1331162.7	103.45	%	0.607				0.59%
Y_ Radial	144953.1	102.41	%	1.687				1.65%
Sc Axial	1455159.4	103.48	%	0.660				0.64%
Sc Radial	156669.0	102.58	%	1.607				1.57%
Al_1 396.153 R†	3930.7	0.32417	mg/L	0.001153	389.16	mg/L	1.384	0.36%
Al_2 308.215 R†	1151.2	0.32296	mg/L	0.001333	387.71	mg/L	1.600	0.41%
Ca 315.887 R†	11443.4	0.65172	mg/L	0.003619	782.37	mg/L	4.344	0.56%
Fe_1 273.955†	18247.0	0.37452	mg/L	0.001159	449.61	mg/L	1.391	0.31%
Fe_2 238.863 R†	466.9	0.42305	mg/L	0.051804	507.87	mg/L	62.189	12.25%
Mg 279.077 R†	500.6	0.23579	mg/L	0.003265	283.06	mg/L	3.920	1.38%
Na_1 589.592 R†	8198.0	0.73632	mg/L	0.000819	883.94	mg/L	0.983	0.11%
Na_2 330.237 R†	29.4	0.40603	mg/L	0.164450	487.43	mg/L	197.420	40.50%
Zn 206.200†	233.8	0.00745	mg/L	0.000086	8.9456	mg/L	0.10295	1.15%

Sequence No.: 28
Sample ID: H6LT1
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 6/15/2006 12:41:50 PM
Data Type: Reprocessed on 6/16/2006 9:24:25 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LT1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
In Axial	359776.6	106.61	%	1.786				1.68%
In Radial	17671.2	108.37	%	0.828				0.76%
Y_ Axial	1335540.3	103.79	%	1.613				1.55%
Y_ Radial	145573.0	102.84	%	1.290				1.25%
Sc Axial	1461745.3	103.95	%	1.776				1.71%
Sc Radial	157198.6	102.93	%	1.203				1.17%
Al_1 396.153 R†	22129.7	1.8250	mg/L	0.00250	2190.9	mg/L	3.00	0.14%
Al_2 308.215 R†	6425.8	1.8027	mg/L	0.04414	2164.1	mg/L	52.99	2.45%
Ca 315.887 R†	34060.8	1.9398	mg/L	0.03735	2328.7	mg/L	44.83	1.93%
Fe_1 273.955†	228141.5	4.6826	mg/L	0.01228	5621.4	mg/L	14.74	0.26%
Fe_2 238.863 R†	5060.3	4.5852	mg/L	0.10347	5504.4	mg/L	124.21	2.26%
Mg 279.077 R†	1896.7	0.89339	mg/L	0.002044	1072.5	mg/L	2.45	0.23%
Na_1 589.592 R†	16920.0	1.5197	mg/L	0.01616	1824.4	mg/L	19.40	1.06%
Na_2 330.237 R†	120.4	1.6872	mg/L	0.42888	2025.4	mg/L	514.86	25.42%
Zn 206.200†	414.7	0.01322	mg/L	0.000354	15.869	mg/L	0.4250	2.68%

Sequence No.: 29
Sample ID: CCV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/15/2006 12:44:47 PM
Data Type: Reprocessed on 6/16/2006 9:24:26 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	321220.0	95.186	%	0.2865				0.30%
In Radial	16396.0	100.55	%	0.830				0.83%
Y_ Axial	1260311.2	97.939	%	0.0887				0.09%
Y_ Radial	137730.5	97.303	%	1.0421				1.07%
Sc Axial	1388074.8	98.711	%	0.1386				0.14%
Sc Radial	147598.0	96.644	%	2.0080				2.08%
Al_1 396.153 R†	296963.0	24.491	mg/L	0.1896	24.491	mg/L	0.1896	0.77%
Al_2 308.215 R†	87673.0	24.596	mg/L	0.0012	24.596	mg/L	0.0012	0.00%
Ca 315.887 R†	439684.8	25.041	mg/L	0.2834	25.041	mg/L	0.2834	1.13%
Fe_1 273.955†	1226232.5	25.169	mg/L	0.0364	25.169	mg/L	0.0364	0.14%
Fe_2 238.863 R†	28381.9	25.717	mg/L	0.0400	25.717	mg/L	0.0400	0.16%
Mg 279.077 R†	54767.8	25.797	mg/L	0.0691	25.797	mg/L	0.0691	0.27%
Na_1 589.592 R†	266318.8	23.920	mg/L	0.1652	23.920	mg/L	0.1652	0.69%
Na_2 330.237 R†	1928.3	25.518	mg/L	1.4160	25.518	mg/L	1.4160	5.55%
Zn 206.200†	79433.8	2.5322	mg/L	0.00350	2.5322	mg/L	0.00350	0.14%

Sequence No.: 30
Sample ID: CCB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/15/2006 12:47:03 PM
Data Type: Reprocessed on 6/16/2006 9:24:27 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	344064.8	101.96	%	1.400				1.37%
In Radial	16716.5	102.51	%	0.071				0.07%
Y_ Axial	1308191.1	101.66	%	1.012				1.00%
Y_ Radial	140121.1	98.992	%	1.7093				1.73%
Sc Axial	1429781.6	101.68	%	0.956				0.94%
Sc Radial	151129.2	98.956	%	1.7118				1.73%
Al_1 396.153 Rt	0.8	0.00006	mg/L	0.001141	0.00006	mg/L	0.001141	>999.9%
Al_2 308.215 Rt	2.8	0.00078	mg/L	0.000444	0.00078	mg/L	0.000444	56.61%
Ca 315.887 Rt	42.2	0.00240	mg/L	0.000547	0.00240	mg/L	0.000547	22.76%
Fe_1 273.955t	73.1	0.00150	mg/L	0.000373	0.00150	mg/L	0.000373	24.85%
Fe_2 238.863 Rt	10.4	0.00945	mg/L	0.002078	0.00945	mg/L	0.002078	21.98%
Mg 279.077 Rt	0.2	0.00012	mg/L	0.006522	0.00012	mg/L	0.006522	>999.9%
Na_1 589.592 Rt	105.4	0.00947	mg/L	0.012396	0.00947	mg/L	0.012396	130.90%
Na_2 330.237 Rt	-8.2	-0.11520	mg/L	0.081388	-0.11520	mg/L	0.081388	70.65%
Zn 206.200t	8.5	0.00027	mg/L	0.000009	0.00027	mg/L	0.000009	3.18%

Sequence No.: 31
Sample ID: H6LT2
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 6/15/2006 12:50:43 PM
Data Type: Reprocessed on 6/16/2006 9:24:27 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LT2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	352195.7	104.37	%	1.613				1.55%
In Radial	17224.2	105.63	%	0.064				0.06%
Y_ Axial	1328954.3	103.27	%	1.743				1.69%
Y_ Radial	142965.3	101.00	%	0.737				0.73%
Sc Axial	1454119.2	103.41	%	1.729				1.67%
Sc Radial	154078.1	100.89	%	0.815				0.81%
Al_1 396.153 R†	4848.2	0.39983	mg/L	0.000656	479.99	mg/L	0.787	0.16%
Al_2 308.215 R†	1431.1	0.40148	mg/L	0.000412	481.97	mg/L	0.494	0.10%
Ca 315.887 R†	11448.5	0.65201	mg/L	0.001861	782.72	mg/L	2.234	0.29%
Fe_1 273.955†	24198.6	0.49668	mg/L	0.003548	596.25	mg/L	4.259	0.71%
Fe_2 238.863 R†	560.0	0.50744	mg/L	0.016535	609.17	mg/L	19.850	3.26%
Mg 279.077 R†	572.2	0.26952	mg/L	0.005005	323.56	mg/L	6.009	1.86%
Na_1 589.592 R†	6676.5	0.59966	mg/L	0.004142	719.88	mg/L	4.972	0.69%
Na_2 330.237 R†	8.2	0.10825	mg/L	0.007361	129.95	mg/L	8.837	6.80%
Zn 206.200†	322.4	0.01028	mg/L	0.000071	12.337	mg/L	0.0853	0.69%

Sequence No.: 32
Sample ID: H6LT4
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 6/15/2006 12:54:20 PM
Data Type: Reprocessed on 6/16/2006 9:24:31 AM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LT4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	352386.7	104.42	%	1.662				1.59%
In Radial	17189.9	105.42	%	0.031				0.03%
Y_ Axial	1332659.6	103.56	%	1.742				1.68%
Y_ Radial	144399.5	102.01	%	2.788				2.73%
Sc Axial	1454423.8	103.43	%	1.711				1.65%
Sc Radial	155887.6	102.07	%	2.836				2.78%
Al_1 396.153 R†	148.2	0.01222	mg/L	0.003801	14.674	mg/L	4.5627	31.09%
Al_2 308.215 R†	63.3	0.01776	mg/L	0.001402	21.318	mg/L	1.6827	7.89%
Ca 315.887 R†	3966.5	0.22590	mg/L	0.004615	271.18	mg/L	5.540	2.04%
Fe_1 273.955†	945.8	0.01941	mg/L	0.000180	23.304	mg/L	0.2164	0.93%
Fe_2 238.863 R†	31.7	0.02876	mg/L	0.009062	34.522	mg/L	10.8793	31.51%
Mg 279.077 R†	66.2	0.03119	mg/L	0.000754	37.441	mg/L	0.9053	2.42%
Na_1 589.592 R†	5223.3	0.46914	mg/L	0.000683	563.20	mg/L	0.820	0.15%
Na_2 330.237 R†	29.3	0.40704	mg/L	0.034511	488.65	mg/L	41.430	8.48%
Zn 206.200†	135.9	0.00433	mg/L	0.000046	5.1990	mg/L	0.05542	1.07%

Sequence No.: 40
Sample ID: CCV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/15/2006 1:22:04 PM
Data Type: Reprocessed on 6/16/2006 9:24:41 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	324381.9	96.123	%	0.4661				0.48%
In Radial	16806.4	103.06	%	2.639				2.56%
Y_ Axial	1269313.3	98.639	%	0.4723				0.48%
Y_ Radial	140162.5	99.022	%	2.4980				2.52%
Sc Axial	1399341.7	99.512	%	0.5077				0.51%
Sc Radial	150514.2	98.554	%	1.7819				1.81%
Al_1 396.153 R†	295145.0	24.341	mg/L	1.0001	24.341	mg/L	1.0001	4.11%
Al_2 308.215 R†	87561.9	24.565	mg/L	0.0650	24.565	mg/L	0.0650	0.26%
Ca 315.887 R†	437934.2	24.941	mg/L	1.1607	24.941	mg/L	1.1607	4.65%
Fe_1 273.955†	1219729.1	25.035	mg/L	0.0149	25.035	mg/L	0.0149	0.06%
Fe_2 238.863 R†	28530.0	25.851	mg/L	0.0056	25.851	mg/L	0.0056	0.02%
Mg 279.077 R†	54743.1	25.785	mg/L	0.0383	25.785	mg/L	0.0383	0.15%
Na_1 589.592 R†	265834.1	23.876	mg/L	1.0150	23.876	mg/L	1.0150	4.25%
Na_2 330.237 R†	1869.2	24.711	mg/L	1.0552	24.711	mg/L	1.0552	4.27%
Zn 206.200†	78441.5	2.5005	mg/L	0.00168	2.5005	mg/L	0.00168	0.07%

Sequence No.: 41
Sample ID: CCB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/15/2006 1:24:19 PM
Data Type: Reprocessed on 6/16/2006 9:24:42 AM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	350445.5	103.85	%	3.104				2.99%
In Radial	16977.2	104.11	%	0.549				0.53%
Y_ Axial	1331150.9	103.44	%	3.069				2.97%
Y_ Radial	142568.5	100.72	%	0.777				0.77%
Sc Axial	1453181.6	103.34	%	3.078				2.98%
Sc Radial	154050.4	100.87	%	0.722				0.72%
Al_1 396.153 Rt	53.5	0.00441	mg/L	0.001853	0.00441	mg/L	0.001853	42.00%
Al_2 308.215 Rt	13.7	0.00385	mg/L	0.004438	0.00385	mg/L	0.004438	115.33%
Ca 315.887 Rt	25.1	0.00143	mg/L	0.002147	0.00143	mg/L	0.002147	150.12%
Fe_1 273.955t	58.4	0.00120	mg/L	0.000931	0.00120	mg/L	0.000931	77.75%
Fe_2 238.863 Rt	-2.0	-0.00177	mg/L	0.000491	-0.00177	mg/L	0.000491	27.75%
Mg 279.077 Rt	-8.2	-0.00385	mg/L	0.001473	-0.00385	mg/L	0.001473	38.25%
Na_1 589.592 Rt	241.1	0.02165	mg/L	0.007326	0.02165	mg/L	0.007326	33.83%
Na_2 330.237 Rt	8.4	0.11687	mg/L	0.000307	0.11687	mg/L	0.000307	0.26%
Zn 206.200t	8.1	0.00026	mg/L	0.000107	0.00026	mg/L	0.000107	41.27%

G6F020219

STL Sacramento

RUN SUMMARY

Method: 6010 PE ICP2 (P05) Reported: 06/16/06 16:17:48

File ID: JUN1606AX.csv Analyst: WONGA

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	Calib_Blank_				1.0	06/16/06 11:48		☐
2	Calib_Std_1				1.0	06/16/06 11:52		☐
3	Calib_Std_2				1.0	06/16/06 11:54		☐
4	ICV4				1.0	06/16/06 11:56		☐
5	ICB				1.0	06/16/06 11:59		☐
6	PQL				1.0	06/16/06 12:02		☐
7	ICSA				1.0	06/16/06 12:06		☐
8	ICSAB_4.0				1.0	06/16/06 12:08		☐
9	FB1815158				1.0	06/16/06 12:15	report Ca, Na only	☐
10	H64HQB	G6F090000	6160323	2A	1.0	06/16/06 12:19		☐
11	H64HQC	G6F090000	6160323	2A	1.0	06/16/06 12:22		☐
12	H64HQL	G6F090000	6160323	2A	1.0	06/16/06 12:25		☐
13	H6LTF	G6F020219-1	6160323	2A	1.0	06/16/06 12:29		☐
14	H6LTFP5	G6F020219	6160323		5.0	06/16/06 12:32		☐
15	H6LTFZ	G6F020219-1	6160323		1.0	06/16/06 12:36		☐
16	CCV				1.0	06/16/06 12:39	plasma out after reading	☐
17	CCV				1.0	06/16/06 13:13		☐
18	CCB				1.0	06/16/06 13:16		☐
19	H6LTG	G6F020219-2	6160323	2A	1.0	06/16/06 13:19	report Ca, Na only	☐
20	H6LTH	G6F020219-3	6160323	2A	1.0	06/16/06 13:23		☐
21	H6LTK	G6F020219-4	6160323	2A	1.0	06/16/06 13:26		☐
22	H6LTL	G6F020219-5	6160323	2A	1.0	06/16/06 13:30		☐
23	H6LTM	G6F020219-6	6160323	2A	1.0	06/16/06 13:34		☐
24	H6LTN	G6F020219-7	6160323	2A	1.0	06/16/06 13:37		☐
25	H6LTQ	G6F020219-8	6160323	2A	1.0	06/16/06 13:41		☐
26	H6LTV	G6F020219-9	6160323	2A	1.0	06/16/06 13:45		☐
27	H6LTX	G6F020219-10	6160323	2A	1.0	06/16/06 13:48		☐
28	H6LT1	G6F020219-11	6160323	2A	1.0	06/16/06 13:52		☐
29	CCV				1.0	06/16/06 13:55		☐
30	CCB				1.0	06/16/06 13:57		☐

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6010 () PE ICP2 (P05) Reported: 06/16/06 16:17:48

File ID: JUN1606AX.csv **Analyst: WONGA**

#	Sample ID	Analyzed Date	In Radial	Sc Axial	Sc Radial	Y_ Axial	Y_ Radial	Q
1	Calib_Blank_'	06/16/06 11:48	0.0	0.0	0.0	0.0	0.0	☑
2	Calib Std 1	06/16/06 11:52	0.0	0.0	0.0	0.0	0.0	☑
3	Calib Std 2	06/16/06 11:54	0.0	0.0	0.0	0.0	0.0	☑
4	ICV4	06/16/06 11:56	99.4	99.1	97.3	98.4	97.0	☑
5	ICB	06/16/06 11:59	101.1	100.4	99.2	100.4	99.1	☑
6	PQL	06/16/06 12:02	101.8	101.2	98.2	101.1	98.3	☑
7	ICSA	06/16/06 12:06	87.3	84.9	87.7	84.3	88.2	☑
8	ICSAB_4.0	06/16/06 12:08	84.1	84.6	83.9	84.0	84.5	☑
9	FB1815158	06/16/06 12:15	103.8	102.1	102.0	102.1	102.3	☑
10	H64HQB	06/16/06 12:19	103.5	102.5	99.2	102.6	99.5	☑
11	H64HQC	06/16/06 12:22	100.7	97.2	98.2	96.4	97.5	☑
12	H64HQL	06/16/06 12:25	100.9	98.9	97.9	98.0	97.2	☑
13	H6LTF	06/16/06 12:29	105.2	104.9	99.8	104.8	99.8	☑
14	H6LTFP5	06/16/06 12:32	103.3	103.6	99.6	103.5	99.6	☑
15	H6LTFZ	06/16/06 12:36	101.6	98.3	95.4	97.4	94.7	☑
16	CCV	06/16/06 12:39	98.9	98.1	96.1	97.2	95.7	☑
17	CCV	06/16/06 13:13	93.9	91.0	87.6	89.8	86.7	☑
18	CCB	06/16/06 13:16	101.8	98.9	96.1	98.7	96.0	☑
19	H6LTG	06/16/06 13:19	104.0	99.9	99.5	99.8	99.4	☑
20	H6LTH	06/16/06 13:23	105.2	102.8	100.2	102.7	100.2	☑
21	H6LTK	06/16/06 13:26	105.1	103.1	104.6	102.7	104.7	☑
22	H6LTL	06/16/06 13:30	105.4	101.2	102.2	100.9	102.2	☑
23	H6LTM	06/16/06 13:34	106.7	101.2	103.0	100.8	103.0	☑
24	H6LTN	06/16/06 13:37	105.8	101.6	103.5	101.3	103.9	☑
25	H6LTQ	06/16/06 13:41	105.6	104.5	100.9	104.3	101.1	☑
26	H6LTV	06/16/06 13:45	106.3	104.4	103.1	104.1	103.2	☑
27	H6LTX	06/16/06 13:48	106.3	104.0	103.6	103.7	103.8	☑
28	H6LT1	06/16/06 13:52	105.7	101.8	102.4	101.4	102.5	☑
29	CCV	06/16/06 13:55	101.2	97.8	98.1	96.8	97.6	☑
30	CCB	06/16/06 13:57	104.0	102.1	100.4	101.9	100.6	☑

STL Sacramento

ICP Data Review Checklist

SEVERN TRENT STL

Run/Project Information:

Run Date: 06/16/06 **Analyst:** AWONG **Instrument:** P05

Prep Batches Run: 6160323

Circle Method used: 6010B / 200.7: SAC-MT-0003 Rev. 2.0

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels ?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits ? (6010B, CLP = 90 - 110%, 200.7 = 95 -105%[ICV])	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	✓			✓
4. CRI analyzed? (for CLP only)	✓			✓
5. ICSA/ICSAB run at required frequency and within SOP limits ?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?			✓	✓
2. All reported results bracketed by in control QC ?	✓			✓
3. Sample analyses done within holding time ?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	✓			✓
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	✓			✓
3. MS run at required frequency and within limits ?			✓	✓
4. MSD or DU run at required frequency and RPD within SOP limits ?			✓	✓
5. Dilution Test done per prep batch (or per SDG for CLP) ?	✓			✓
6. Post digest spike analyzed if required (CLP only) ?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately ?	✓			✓
2. Current IDL/LR/IEC data on file ?	✓			✓
3. Calculations checked for error ?	✓			✓
4. Transcriptions checked for error ?	✓			✓
5. All client/project specific requirements met ?	✓			✓
6. Date/time of analysis verified as correct ?	✓			✓

Analyst: AWong **Date:** 06/16/06

Comments:

2nd Level Reviewer : MS **Date:** 6/19/06

Comments:

q:\forms\checklists\qa-268 icp data review.doc

QA-268
ERS 7/13/04

STL Sacramento

Method 6010B Instrument QC Standards

Chemist: AWong

Run Date: 06/16/06

Type of Analysis: Trace ICP (AirTox)

Instrument ID: P05

Standard Expiration Dates Verified: 06/16/06

Standard Name	Standard Logbook ID
STD0 (Cal Blank) / ICB / CCB	2696-16-6
STD1 (Cal Std 1)	2680-66
STD2 (Cal Std 2)	2680-67
STD3 (Cal Std 3)	NA
STD4 (Cal Std 4)	NA
ICV	2680-42
ICV2	NA
PQLCRI	1750-018-3
ICSA	2680-69
ICSAB	2680-70
CCV	2680-68
Internal Standard	2696-19-1

QA – 416
ERS 2/1/01

6/16/2006 11:35:48 AM Hg ReAlign... Actual peak offset (nm): -0.007
Drift (nm): -0.000 Slit adjustment: -2

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	427986.4
-1.6	15.0	619911.6
-1.2	15.0	781049.3
-0.8	15.0	990397.2
-0.4	15.0	1165255.9
0.0	15.0	1228950.7
0.4	15.0	1207496.3
0.8	15.0	1099051.1
1.2	15.0	953000.2
1.6	15.0	739108.1
2.0	15.0	558989.1
0.0	10.0	3827.6
0.0	10.5	23320.3
0.0	11.0	50677.1
0.0	11.5	86283.0
0.0	12.0	141847.0
0.0	12.5	312181.6
0.0	13.0	463578.3
0.0	13.5	632719.7
0.0	14.0	834757.2
0.0	14.5	1196540.7
0.0	15.0	1273417.0
0.0	15.5	1300063.1
0.0	16.0	1213642.8
0.0	16.5	919769.7
0.0	17.0	699597.8
0.0	17.5	536428.2
0.0	18.0	404407.0
0.0	18.5	276051.6
0.0	19.0	109528.4
0.0	19.5	59883.3
0.0	20.0	18089.1
-0.8	15.5	1019759.8
-0.4	15.5	1150152.0
0.0	15.5	1252286.5
0.4	15.5	1251131.5
0.8	15.5	1135739.6
0.0	13.5	688787.5
0.0	14.0	851841.9
0.0	14.5	1161294.3
0.0	15.0	1250858.9
0.0	15.5	1305741.0
0.0	16.0	1214853.8
0.0	16.5	886959.3
0.0	17.0	687741.5
0.0	17.5	543397.0

6/16/2006 11:37:54 AM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 1305741.0 for Axial viewing
Y viewing position set to 15.5 mm having Peak intensity 1305741.0 for Axial viewing

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	156.7
-6.5	15.0	214.8
-6.0	15.0	320.7
-5.5	15.0	550.8
-5.0	15.0	1103.4
-4.5	15.0	2404.9
-4.0	15.0	4260.9
-3.5	15.0	6858.8
-3.0	15.0	9077.3
-2.5	15.0	10151.6

6/16/2006 11:35:48 AM Hg ReAlign... Actual peak offset (nm): -0.007
Drift (nm): -0.000 Slit adjustment: -2

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	427986.4
-1.6	15.0	619911.6
-1.2	15.0	781049.3
-0.8	15.0	990397.2
-0.4	15.0	1165255.9
0.0	15.0	1228950.7
0.4	15.0	1207496.3
0.8	15.0	1099051.1
1.2	15.0	953000.2
1.6	15.0	739108.1
2.0	15.0	558989.1
0.0	10.0	3827.6
0.0	10.5	23320.3
0.0	11.0	50677.1
0.0	11.5	86283.0
0.0	12.0	141847.0
0.0	12.5	312181.6
0.0	13.0	463578.3
0.0	13.5	632719.7
0.0	14.0	834757.2
0.0	14.5	1196540.7
0.0	15.0	1273417.0
0.0	15.5	1300063.1
0.0	16.0	1213642.8
0.0	16.5	919769.7
0.0	17.0	699597.8
0.0	17.5	536428.2
0.0	18.0	404407.0
0.0	18.5	276051.6
0.0	19.0	109528.4
0.0	19.5	59883.3
0.0	20.0	18089.1
-0.8	15.5	1019759.8
-0.4	15.5	1150152.0
0.0	15.5	1252286.5
0.4	15.5	1251131.5
0.8	15.5	1135739.6
0.0	13.5	688787.5
0.0	14.0	851841.9
0.0	14.5	1161294.3
0.0	15.0	1250858.9
0.0	15.5	1305741.0
0.0	16.0	1214853.8
0.0	16.5	886959.3
0.0	17.0	687741.5
0.0	17.5	543397.0

6/16/2006 11:37:54 AM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 1305741.0 for Axial viewing
Y viewing position set to 15.5 mm having Peak intensity 1305741.0 for Axial viewing

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	156.7
-6.5	15.0	214.8
-6.0	15.0	320.7
-5.5	15.0	550.8
-5.0	15.0	1103.4

-4.5	15.0	2404.9
-4.0	15.0	4260.9
-3.5	15.0	6858.8
-3.0	15.0	9077.3
-2.5	15.0	10151.6
-2.0	15.0	16702.4
-1.5	15.0	48204.7
-1.0	15.0	87070.7
-0.5	15.0	110431.0
0.0	15.0	115370.5
0.5	15.0	101043.5
1.0	15.0	85553.0
1.5	15.0	64437.5
2.0	15.0	44510.9
2.5	15.0	25307.1
3.0	15.0	10273.7
3.5	15.0	2964.8
4.0	15.0	2624.2
4.5	15.0	1222.1
5.0	15.0	487.6
5.5	15.0	233.6
6.0	15.0	151.3
6.5	15.0	128.2
7.0	15.0	98.2

6/16/2006 11:40:19 AM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 115370.5 for Radial viewing

Sequence No.: 1
Sample ID: Calib_Blank_1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/16/2006 11:48:28 AM
Data Type: Reprocessed on 6/16/2006 2:15:32 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Blank_1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	329695.5	8219.19	2.49%	100.00	%
In Radial	15653.5	51.48	0.33%	100.00	%
Y_ Axial	1298546.2	33309.72	2.57%	100.00	%
Y_ Radial	138066.3	4687.80	3.40%	100.00	%
Sc Axial	1423399.3	34557.44	2.43%	100.00	%
Sc Radial	148728.4	5027.48	3.38%	100.00	%
Al_1 396.153 R†	128.3	8.92	6.95%	[0.00]	mg/L
Al_2 308.215 R†	129.3	10.31	7.97%	[0.00]	mg/L
Ca 315.887 R†	-348.8	0.46	0.13%	[0.00]	mg/L
Fe_1 273.955†	50.4	13.85	27.51%	[0.00]	mg/L
Fe_2 238.863 R†	42.3	3.01	7.13%	[0.00]	mg/L
Mg 279.077 R†	-90.8	8.08	8.90%	[0.00]	mg/L
Na_1 589.592 R†	4357.6	108.41	2.49%	[0.00]	mg/L
Na_2 330.237 R†	39.8	21.59	54.28%	[0.00]	mg/L
Zn 206.200†	20.9	1.58	7.54%	[0.00]	mg/L

Sequence No.: 2
Sample ID: Calib_Std_1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 6/16/2006 11:52:07 AM
Data Type: Reprocessed on 6/16/2006 2:15:35 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Std_1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	297766.3	3200.93	1.07%	90.316	%
In Radial	15045.1	343.99	2.29%	96.113	%
Y_ Axial	1221512.4	13222.65	1.08%	94.068	%
Y_ Radial	130800.0	3095.17	2.37%	94.737	%
Sc Axial	1354038.4	14984.23	1.11%	95.127	%
Sc Radial	142049.9	3554.82	2.50%	95.510	%
Al_1 396.153 R†	610174.7	8410.94	1.38%	[50]	mg/L
Al_2 308.215 R†	177443.4	357.61	0.20%	[50]	mg/L
Ca 315.887 R†	888052.0	9951.40	1.12%	[50]	mg/L
Fe_1 273.955†	2493157.4	4698.53	0.19%	[50]	mg/L
Fe_2 238.863 R†	56688.8	275.02	0.49%	[50]	mg/L
Mg 279.077 R†	109442.8	722.34	0.66%	[50]	mg/L
Na_1 589.592 R†	534476.7	7638.12	1.43%	[50]	mg/L
Na_2 330.237 R†	3770.0	88.93	2.36%	[50]	mg/L
Zn 206.200†	160592.7	787.77	0.49%	[5.0]	mg/L

Sequence No.: 3
Sample ID: Calib_Std_2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/16/2006 11:54:24 AM
Data Type: Reprocessed on 6/16/2006 2:15:56 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Std_2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
In Axial	257121.9	1239.23	0.48%	77.988	%
In Radial	13811.2	304.76	2.21%	88.231	%
Y_ Axial	1108512.9	3823.27	0.34%	85.366	%
Y_ Radial	122009.5	2681.90	2.20%	88.370	%
Sc Axial	1228742.0	4845.07	0.39%	86.324	%
Sc Radial	131839.0	2622.48	1.99%	88.644	%
Al_2 308.215 R†	885234.3	25141.85	2.84%	[250]	mg/L
Ca 315.887 R†	4338423.0	124916.86	2.88%	[250]	mg/L
Fe_2 238.863 R†	273784.0	7905.50	2.89%	[250]	mg/L
Mg 279.077 R†	528200.3	15575.67	2.95%	[250]	mg/L
Na_1 589.592 R†	2724405.0	74529.41	2.74%	[250]	mg/L
Na_2 330.237 R†	17873.8	24.43	0.14%	[250]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Al_1 396.153 R	1	Lin Thru 0	0.0	12200	0.00000	1.000000	
Al_2 308.215 R	2	Lin Thru 0	0.0	3541	0.00000	1.000000	
Ca 315.887 R	2	Lin Thru 0	0.0	17370	0.00000	0.999990	
Fe_1 273.955	1	Lin Thru 0	0.0	49860	0.00000	1.000000	
Fe_2 238.863 R	2	Lin Thru 0	0.0	1097	0.00000	0.999977	
Mg 279.077 R	2	Lin Thru 0	0.0	2116	0.00000	0.999976	
Na_1 589.592 R	2	Lin Thru 0	0.0	10890	0.00000	0.999993	
Na_2 330.237 R	2	Lin Thru 0	0.0	71.65	0.00000	0.999945	
Zn 206.200	1	Lin Thru 0	0.0	32120	0.00000	1.000000	

Sequence No.: 4
Sample ID: ICV4
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 6/16/2006 11:56:47 AM
Data Type: Reprocessed on 6/16/2006 2:15:57 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICV4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	317201.5	96.210	%	1.5912				1.65%
In Radial	15567.1	99.448	%	2.0869				2.10%
Y_ Axial	1278335.1	98.444	%	2.2362				2.27%
Y_ Radial	133862.8	96.955	%	1.9758				2.04%
Sc Axial	1411227.7	99.145	%	2.3060				2.33%
Sc Radial	144679.2	97.277	%	2.0043				2.06%
Al_1 396.153 R†	125827.3	10.311	mg/L	0.2031	10.311	mg/L	0.2031	1.97%
Al_2 308.215 R†	36293.1	10.249	mg/L	0.0306	10.249	mg/L	0.0306	0.30%
Ca 315.887 R†	184909.3	10.646	mg/L	0.0420	10.646	mg/L	0.0420	0.39%
Fe_1 273.955†	512026.6	10.269	mg/L	0.0637	10.269	mg/L	0.0637	0.62%
Fe_2 238.863 R†	11644.8	10.619	mg/L	0.0367	10.619	mg/L	0.0367	0.35%
Mg 279.077 R†	22717.5	10.737	mg/L	0.0447	10.737	mg/L	0.0447	0.42%
Na_1 589.592 R†	113201.2	10.395	mg/L	0.2045	10.395	mg/L	0.2045	1.97%
Na_2 330.237 R†	763.6	10.065	mg/L	1.4491	10.065	mg/L	1.4491	14.40%
Zn 206.200†	33028.5	1.0283	mg/L	0.00617	1.0283	mg/L	0.00617	0.60%

Sequence No.: 5
Sample ID: ICB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 6/16/2006 11:59:11 AM
Data Type: Reprocessed on 6/16/2006 2:15:59 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	331799.3	100.64	%	0.128				0.13%
In Radial	15818.8	101.06	%	0.758				0.75%
Y_ Axial	1304310.5	100.44	%	0.144				0.14%
Y_ Radial	136847.4	99.117	%	1.6169				1.63%
Sc Axial	1429564.0	100.43	%	0.201				0.20%
Sc Radial	147568.5	99.220	%	1.9263				1.94%
Al_1 396.153 R†	63.1	0.00517	mg/L	0.002350	0.00517	mg/L	0.002350	45.44%
Al_2 308.215 R†	35.2	0.00993	mg/L	0.000161	0.00993	mg/L	0.000161	1.63%
Ca 315.887 R†	66.1	0.00381	mg/L	0.000436	0.00381	mg/L	0.000436	11.45%
Fe_1 273.955†	570.5	0.01144	mg/L	0.008835	0.01144	mg/L	0.008835	77.21%
Fe_2 238.863 R†	4.5	0.00411	mg/L	0.008464	0.00411	mg/L	0.008464	205.76%
Mg 279.077 R†	1.1	0.00051	mg/L	0.003258	0.00051	mg/L	0.003258	637.09%
Na_1 589.592 R†	1037.1	0.09524	mg/L	0.012554	0.09524	mg/L	0.012554	13.18%
Na_2 330.237 R†	15.0	0.20943	mg/L	0.442647	0.20943	mg/L	0.442647	211.36%
Zn 206.200†	7.2	0.00022	mg/L	0.000092	0.00022	mg/L	0.000092	41.27%

Sequence No.: 6
Sample ID: PQL
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 6/16/2006 12:02:47 PM
Data Type: Reprocessed on 6/16/2006 2:16:00 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: PQL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	335594.6	101.79	%	0.621				0.61%
In Radial	15931.8	101.78	%	0.262				0.26%
Y_ Axial	1313287.5	101.14	%	0.585				0.58%
Y_ Radial	135673.8	98.267	%	0.0292				0.03%
Sc Axial	1440593.9	101.21	%	0.584				0.58%
Sc Radial	146021.7	98.180	%	0.1094				0.11%
Al_1 396.153 R†	1294.1	0.10605	mg/L	0.005068	127.31	mg/L	6.083	4.78%
Al_2 308.215 R†	377.6	0.10663	mg/L	0.004506	128.01	mg/L	5.409	4.23%
Ca 315.887 R†	1849.1	0.10646	mg/L	0.001822	127.80	mg/L	2.187	1.71%
Fe_1 273.955†	1509.2	0.03027	mg/L	0.000315	36.334	mg/L	0.3782	1.04%
Fe_2 238.863 R†	36.0	0.03279	mg/L	0.006737	39.370	mg/L	8.0876	20.54%
Mg 279.077 R†	227.6	0.10759	mg/L	0.007032	129.16	mg/L	8.442	6.54%
Na_1 589.592 R†	3268.5	0.30015	mg/L	0.005873	360.33	mg/L	7.050	1.96%
Na_2 330.237 R†	16.2	0.22291	mg/L	0.188946	267.60	mg/L	226.826	84.76%
Zn 206.200†	180.9	0.00563	mg/L	0.000116	6.7602	mg/L	0.13884	2.05%

Sequence No.: 7
Sample ID: ICSA
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 6/16/2006 12:06:24 PM
Data Type: Reprocessed on 6/16/2006 2:16:01 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	258734.5	78.477	%	0.0388				0.05%
In Radial	13662.8	87.283	%	1.6345				1.87%
Y_ Axial	1094902.3	84.318	%	0.0913				0.11%
Y_ Radial	121799.4	88.218	%	1.5591				1.77%
Sc Axial	1208349.2	84.892	%	0.0345				0.04%
Sc Radial	130505.2	87.747	%	1.6192				1.85%
Al_1 396.153 R†	6280661.2	514.66	mg/L	0.287	514.66	mg/L	0.287	0.06%
Al_2 308.215 R†	1801809.7	508.81	mg/L	18.577	508.81	mg/L	18.577	3.65%
Ca 315.887 R†	8650834.7	498.05	mg/L	1.479	498.05	mg/L	1.479	0.30%
Fe_1 273.955†	9424297.6	189.00	mg/L	0.527	189.00	mg/L	0.527	0.28%
Fe_2 238.863 R†	217788.9	198.60	mg/L	0.457	198.60	mg/L	0.457	0.23%
Mg 279.077 R†	1051797.2	497.13	mg/L	22.109	497.13	mg/L	22.109	4.45%
Na_1 589.592 R†	630.4	0.05789	mg/L	0.007877	0.05789	mg/L	0.007877	13.61%
Na_2 330.237 R†	81.6	-0.48167	mg/L	0.781588	-0.48167	mg/L	0.781588	162.27%
Zn 206.200†	351.0	0.01093	mg/L	0.000079	0.01093	mg/L	0.000079	0.72%

Sequence No.: 8
Sample ID: ICSAB_4.0
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 6/16/2006 12:08:56 PM
Data Type: Reprocessed on 6/16/2006 2:16:01 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: ICSAB_4.0

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	255430.3	77.475	%	2.1441				2.77%
In Radial	13164.6	84.100	%	1.2933				1.54%
Y_ Axial	1091250.5	84.036	%	0.4935				0.59%
Y_ Radial	116627.5	84.472	%	0.8535				1.01%
Sc Axial	1203733.1	84.567	%	0.5910				0.70%
Sc Radial	124762.6	83.886	%	0.8164				0.97%
Al_1 396.153 R†	6565357.7	537.99	mg/L	1.439	537.99	mg/L	1.439	0.27%
Al_2 308.215 R†	1892302.8	534.36	mg/L	2.482	534.36	mg/L	2.482	0.46%
Ca 315.887 R†	9085435.0	523.07	mg/L	0.136	523.07	mg/L	0.136	0.03%
Fe_1 273.955†	9512601.6	190.77	mg/L	0.794	190.77	mg/L	0.794	0.42%
Fe_2 238.863 R†	217479.7	198.32	mg/L	0.003	198.32	mg/L	0.003	0.00%
Mg 279.077 R†	1107882.0	523.64	mg/L	2.794	523.64	mg/L	2.794	0.53%
Na_1 589.592 R†	536.3	0.04925	mg/L	0.004342	0.04925	mg/L	0.004342	8.82%
Na_2 330.237 R†	33.1	-1.8300	mg/L	1.12144	-1.8300	mg/L	1.12144	61.28%
Zn 206.200†	30979.0	0.96452	mg/L	0.022559	0.96452	mg/L	0.022559	2.34%

Sequence No.: 9
Sample ID: FB1815158
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 6/16/2006 12:15:28 PM
Data Type: Reprocessed on 6/16/2006 2:16:02 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: FB1815158

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	341883.0	103.70	%	1.873				1.81%
In Radial	16254.0	103.84	%	0.398				0.38%
Y_ Axial	1325410.8	102.07	%	1.631				1.60%
Y_ Radial	141229.3	102.29	%	2.282				2.23%
Sc Axial	1452770.1	102.06	%	1.688				1.65%
Sc Radial	151720.1	102.01	%	2.361				2.31%
Al_1 396.153 R†	100.2	0.00821	mg/L	0.000378	9.8601	mg/L	0.45428	4.61%
Al_2 308.215 R†	54.5	0.01539	mg/L	0.003089	18.471	mg/L	3.7088	20.08%
Ca 315.887 R†	4616.9	0.26581	mg/L	0.005267	319.10	mg/L	6.323	1.98%
Fe_1 273.955†	750.0	0.01504	mg/L	0.000254	18.057	mg/L	0.3051	1.69%
Fe_2 238.863 R†	20.8	0.01898	mg/L	0.001390	22.783	mg/L	1.6690	7.33%
Mg 279.077 R†	76.7	0.03626	mg/L	0.005118	43.531	mg/L	6.1445	14.11%
Na_1 589.592 R†	4326.0	0.39726	mg/L	0.014016	476.91	mg/L	16.826	3.53%
Na_2 330.237 R†	19.3	0.26724	mg/L	0.098347	320.82	mg/L	118.064	36.80%
Zn 206.200†	50.0	0.00156	mg/L	0.000070	1.8673	mg/L	0.08356	4.47%

Sequence No.: 10
Sample ID: H64HQB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 6/16/2006 12:19:04 PM
Data Type: Reprocessed on 6/16/2006 2:16:04 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H64HQB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	342895.3	104.00	%	1.427				1.37%
In Radial	16202.1	103.50	%	0.367				0.35%
Y_ Axial	1332446.8	102.61	%	1.509				1.47%
Y_ Radial	137425.5	99.536	%	1.8487				1.86%
Sc Axial	1459658.5	102.55	%	1.533				1.49%
Sc Radial	147553.6	99.210	%	2.0079				2.02%
Al_1 396.153 R†	6.1	0.00050	mg/L	0.004174	0.59609	mg/L	5.011028	840.64%
Al_2 308.215 R†	2.9	0.00081	mg/L	0.002563	0.97147	mg/L	3.076568	316.69%
Ca 315.887 R†	-28.4	-0.00163	mg/L	0.001084	-1.9611	mg/L	1.30136	66.36%
Fe_1 273.955†	243.2	0.00488	mg/L	0.000566	5.8544	mg/L	0.67999	11.62%
Fe_2 238.863 R†	-5.9	-0.00535	mg/L	0.003511	-6.4213	mg/L	4.21535	65.65%
Mg 279.077 R†	6.0	0.00283	mg/L	0.006127	3.3939	mg/L	7.35584	216.74%
Na_1 589.592 R†	-378.8	-0.03479	mg/L	0.020457	-41.763	mg/L	24.5581	58.80%
Na_2 330.237 R†	0.7	0.00919	mg/L	0.309517	11.038	mg/L	371.5690	>999.9%
Zn 206.200†	27.2	0.00085	mg/L	0.000008	1.0177	mg/L	0.00965	0.95%

Sequence No.: 11
Sample ID: H64HQC
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 6/16/2006 12:22:37 PM
Data Type: Reprocessed on 6/16/2006 2:16:05 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H64HQC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	311486.8	94.477	%	0.0540				0.06%
In Radial	15767.0	100.72	%	0.422				0.42%
Y_ Axial	1252301.5	96.439	%	1.3270				1.38%
Y_ Radial	134643.1	97.521	%	1.1148				1.14%
Sc Axial	1383042.2	97.165	%	1.4071				1.45%
Sc Radial	146063.2	98.208	%	1.2092				1.23%
Al_1 396.153 R†	24846.0	2.0360	mg/L	0.00450	2444.1	mg/L	5.40	0.22%
Al_2 308.215 R†	6999.0	1.9764	mg/L	0.01313	2372.7	mg/L	15.76	0.66%
Ca 315.887 R†	867060.6	49.919	mg/L	0.1129	59927	mg/L	135.5	0.23%
Fe_1 273.955†	50132.3	1.0054	mg/L	0.01467	1207.0	mg/L	17.61	1.46%
Fe_2 238.863 R†	1151.7	1.0502	mg/L	0.02272	1260.8	mg/L	27.28	2.16%
Mg 279.077 R†	106611.3	50.390	mg/L	0.0853	60492	mg/L	102.4	0.17%
Na_1 589.592 R†	530169.7	48.686	mg/L	0.0853	58446	mg/L	102.4	0.18%
Na_2 330.237 R†	3453.9	47.678	mg/L	0.7565	57236	mg/L	908.1	1.59%
Zn 206.200†	15983.6	0.49765	mg/L	0.007504	597.41	mg/L	9.009	1.51%

Sequence No.: 12
Sample ID: H64HQL
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 6/16/2006 12:25:38 PM
Data Type: Reprocessed on 6/16/2006 2:16:06 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H64HQL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	312820.8	94.882	%	0.1085				0.11%
In Radial	15788.6	100.86	%	0.021				0.02%
Y_ Axial	1272142.7	97.967	%	1.2705				1.30%
Y_ Radial	134207.2	97.205	%	3.0691				3.16%
Sc Axial	1407321.7	98.870	%	1.2592				1.27%
Sc Radial	145557.0	97.868	%	3.3111				3.38%
Al_1 396.153 R†	24915.5	2.0417	mg/L	0.00281	2451.0	mg/L	3.37	0.14%
Al_2 308.215 R†	7099.8	2.0049	mg/L	0.06470	2406.8	mg/L	77.68	3.23%
Ca 315.887 R†	873417.2	50.285	mg/L	0.2520	60366	mg/L	302.5	0.50%
Fe_1 273.955†	49965.3	1.0020	mg/L	0.01760	1202.9	mg/L	21.13	1.76%
Fe_2 238.863 R†	1159.1	1.0570	mg/L	0.03073	1268.9	mg/L	36.89	2.91%
Mg 279.077 R†	107516.9	50.818	mg/L	0.3828	61006	mg/L	459.6	0.75%
Na_1 589.592 R†	537129.6	49.325	mg/L	0.0934	59214	mg/L	112.2	0.19%
Na_2 330.237 R†	3493.0	48.223	mg/L	1.3338	57891	mg/L	1601.2	2.77%
Zn 206.200†	15899.6	0.49503	mg/L	0.007549	594.27	mg/L	9.063	1.52%

Sequence No.: 13
Sample ID: H6LTF
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 6/16/2006 12:29:07 PM
Data Type: Reprocessed on 6/16/2006 2:16:07 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTF

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	351674.3	106.67	%	1.264				1.18%
In Radial	16465.9	105.19	%	0.557				0.53%
Y_ Axial	1361184.4	104.82	%	1.170				1.12%
Y_ Radial	137818.5	99.821	%	2.0182				2.02%
Sc Axial	1493098.6	104.90	%	1.170				1.11%
Sc Radial	148358.4	99.751	%	2.1384				2.14%
Al_1 396.153 R†	1408.9	0.11545	mg/L	0.003010	138.60	mg/L	3.614	2.61%
Al_2 308.215 R†	444.5	0.12551	mg/L	0.002748	150.67	mg/L	3.299	2.19%
Ca 315.887 R†	8749.1	0.50371	mg/L	0.002335	604.69	mg/L	2.804	0.46%
Fe_1 273.955†	6985.1	0.14009	mg/L	0.000205	168.17	mg/L	0.246	0.15%
Fe_2 238.863 R†	162.1	0.14779	mg/L	0.016238	177.41	mg/L	19.493	10.99%
Mg 279.077 R†	252.1	0.11916	mg/L	0.000337	143.05	mg/L	0.404	0.28%
Na_1 589.592 R†	9283.8	0.85253	mg/L	0.021773	1023.4	mg/L	26.14	2.55%
Na_2 330.237 R†	61.7	0.85650	mg/L	0.085449	1028.2	mg/L	102.58	9.98%
Zn 206.200†	149.4	0.00465	mg/L	0.000032	5.5858	mg/L	0.03808	0.68%

Sequence No.: 14
Sample ID: H6LTFP5
Analyst: AWW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 44
Date Collected: 6/16/2006 12:32:40 PM
Data Type: Reprocessed on 6/16/2006 2:16:08 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTFP5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	344022.7	104.35	%	1.779				1.71%
In Radial	16168.8	103.29	%	1.316				1.27%
Y_ Axial	1343378.5	103.45	%	2.034				1.97%
Y_ Radial	137500.1	99.590	%	1.9635				1.97%
Sc Axial	1474742.3	103.61	%	1.981				1.91%
Sc Radial	148092.1	99.572	%	1.9734				1.98%
Al_1 396.153 R†	316.3	0.02592	mg/L	0.001181	155.57	mg/L	7.086	4.56%
Al_2 308.215 R†	92.9	0.02622	mg/L	0.001840	157.38	mg/L	11.045	7.02%
Ca 315.887 R†	1795.4	0.10337	mg/L	0.004169	620.46	mg/L	25.024	4.03%
Fe_1 273.955†	1420.9	0.02850	mg/L	0.000210	171.05	mg/L	1.260	0.74%
Fe_2 238.863 R†	28.5	0.02596	mg/L	0.004102	155.83	mg/L	24.624	15.80%
Mg 279.077 R†	56.0	0.02648	mg/L	0.003917	158.92	mg/L	23.511	14.79%
Na_1 589.592 R†	2197.7	0.20181	mg/L	0.007135	1211.4	mg/L	42.83	3.54%
Na_2 330.237 R†	23.0	0.32009	mg/L	0.155267	1921.3	mg/L	931.97	48.51%
Zn 206.200†	66.6	0.00208	mg/L	0.000003	12.455	mg/L	0.0202	0.16%

Sequence No.: 15
Sample ID: H6LTFZ
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 6/16/2006 12:36:16 PM
Data Type: Reprocessed on 6/16/2006 2:16:09 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTFZ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	319276.0	96.840	%	1.7551				1.81%
In Radial	15897.8	101.56	%	0.197				0.19%
Y_ Axial	1264647.9	97.390	%	0.1322				0.14%
Y_ Radial	130691.0	94.658	%	2.3306				2.46%
Sc Axial	1399740.4	98.338	%	0.1232				0.13%
Sc Radial	141907.6	95.414	%	2.4189				2.54%
Al_1 396.153 R†	28064.6	2.2997	mg/L	0.00676	2760.8	mg/L	8.12	0.29%
Al_2 308.215 R†	8252.3	2.3303	mg/L	0.05969	2797.5	mg/L	71.65	2.56%
Ca 315.887 R†	934815.6	53.820	mg/L	0.2124	64610	mg/L	255.0	0.39%
Fe_1 273.955†	61765.5	1.2387	mg/L	0.02698	1487.0	mg/L	32.39	2.18%
Fe_2 238.863 R†	1442.4	1.3153	mg/L	0.02825	1579.0	mg/L	33.91	2.15%
Mg 279.077 R†	114428.5	54.085	mg/L	0.2538	64928	mg/L	304.7	0.47%
Na_1 589.592 R†	568326.3	52.190	mg/L	0.0325	62653	mg/L	39.0	0.06%
Na_2 330.237 R†	3851.1	53.171	mg/L	1.1417	63831	mg/L	1370.6	2.15%
Zn 206.200†	17774.3	0.55340	mg/L	0.015948	664.34	mg/L	19.145	2.88%

Sequence No.: 16
Sample ID: CCV
Analyst: AWW
Initial Sample Wt:
Dilution:

* plasma out after this sample. 06/16/06 AW

Autosampler Location: 7
Date Collected: 6/16/2006 12:39:46 PM
Data Type: Reprocessed on 6/16/2006 2:16:09 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	316734.4	96.069	%	0.3123				0.33%
In Radial	15485.2	98.925	%	1.4454				1.46%
Y_ Axial	1262284.6	97.208	%	0.3084				0.32%
Y_ Radial	132167.8	95.728	%	0.9542				1.00%
Sc Axial	1396811.4	98.132	%	0.2850				0.29%
Sc Radial	142874.1	96.064	%	1.1046				1.15%
Al_1 396.153 R†	304303.7	24.936	mg/L	0.6629	24.936	mg/L	0.6629	2.66%
Al_2 308.215 R†	89168.7	25.180	mg/L	0.0268	25.180	mg/L	0.0268	0.11%
Ca 315.887 R†	446633.9	25.714	mg/L	0.8118	25.714	mg/L	0.8118	3.16%
Fe_1 273.955†	1276958.5	25.609	mg/L	0.0445	25.609	mg/L	0.0445	0.17%
Fe_2 238.863 R†	28753.3	26.220	mg/L	0.0906	26.220	mg/L	0.0906	0.35%
Mg 279.077 R†	55751.1	26.351	mg/L	0.0316	26.351	mg/L	0.0316	0.12%
Na_1 589.592 R†	267067.4	24.525	mg/L	0.6778	24.525	mg/L	0.6778	2.76%
Na_2 330.237 R†	1915.3	25.239	mg/L	0.2782	25.239	mg/L	0.2782	1.10%
Zn 206.200†	83371.1	2.5957	mg/L	0.01170	2.5957	mg/L	0.01170	0.45%

Sequence No.: 17
Sample ID: CCV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/16/2006 1:13:55 PM
Data Type: Reprocessed on 6/16/2006 2:16:11 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	305846.5	92.766	%	1.2010				1.29%
In Radial	14700.7	93.913	%	1.2277				1.31%
Y_ Axial	1166149.5	89.804	%	1.3319				1.48%
Y_ Radial	119655.3	86.665	%	1.0565				1.22%
Sc Axial	1294857.8	90.969	%	1.3643				1.50%
Sc Radial	130315.3	87.620	%	0.8313				0.95%
Al_1 396.153 R†	303640.8	24.881	mg/L	0.5452	24.881	mg/L	0.5452	2.19%
Al_2 308.215 R†	91905.5	25.953	mg/L	0.0303	25.953	mg/L	0.0303	0.12%
Ca 315.887 R†	476559.4	27.437	mg/L dc	0.0061	27.437	mg/L	0.0061	0.02%
Fe_1 273.955†	1352506.4	27.124	mg/L	0.0049	27.124	mg/L	0.0049	0.02%
Fe_2 238.863 R†	30245.5	27.581	mg/L	0.0531	27.581	mg/L	0.0531	0.19%
Mg 279.077 R†	59903.9	28.314	mg/L	0.0411	28.314	mg/L	0.0411	0.15%
Na_1 589.592 R†	281769.2	25.875	mg/L dc	0.5279	25.875	mg/L	0.5279	2.04%
Na_2 330.237 R†	2089.7	27.541	mg/L	0.3218	27.541	mg/L	0.3218	1.17%
Zn 206.200†	90682.8	2.8234	mg/L	0.00464	2.8234	mg/L	0.00464	0.16%

Sequence No.: 18
Sample ID: CCB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/16/2006 1:16:12 PM
Data Type: Reprocessed on 6/16/2006 2:16:12 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	332699.7	100.91	%	2.674				2.65%
In Radial	15938.1	101.82	%	0.758				0.74%
Y_ Axial	1281920.7	98.720	%	2.4828				2.52%
Y_ Radial	132502.8	95.970	%	1.1141				1.16%
Sc Axial	1408372.5	98.944	%	2.5837				2.61%
Sc Radial	142888.8	96.074	%	1.0860				1.13%
Al_1 396.153 R†	29.2	0.00239	mg/L	0.000096	0.00239	mg/L	0.000096	4.00%
Al_2 308.215 R†	17.7	0.00499	mg/L	0.000781	0.00499	mg/L	0.000781	15.65%
Ca 315.887 R†	64.2	0.00369	mg/L	0.000544	0.00369	mg/L	0.000544	14.74%
Fe_1 273.955†	202.6	0.00406	mg/L	0.000579	0.00406	mg/L	0.000579	14.24%
Fe_2 238.863 R†	4.8	0.00442	mg/L	0.001696	0.00442	mg/L	0.001696	38.36%
Mg 279.077 R†	2.9	0.00137	mg/L	0.001458	0.00137	mg/L	0.001458	106.53%
Na_1 589.592 R†	561.7	0.05159	mg/L	0.016408	0.05159	mg/L	0.016408	31.81%
Na_2 330.237 R†	15.6	0.21704	mg/L	0.098729	0.21704	mg/L	0.098729	45.49%
Zn 206.200†	18.6	0.00058	mg/L	0.000100	0.00058	mg/L	0.000100	17.29%

Sequence No.: 19
Sample ID: H6LTG
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 6/16/2006 1:19:48 PM
Data Type: Reprocessed on 6/16/2006 2:16:12 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTG

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	335631.1	101.80	%	1.450				1.42%
In Radial	16282.8	104.02	%	0.569				0.55%
Y_ Axial	1295680.3	99.779	%	1.3862				1.39%
Y_ Radial	137180.7	99.359	%	3.4026				3.42%
Sc Axial	1422442.9	99.933	%	1.3979				1.40%
Sc Radial	147941.8	99.471	%	3.2251				3.24%
Al_1 396.153 R†	1406.0	0.11521	mg/L	0.004853	138.31	mg/L	5.826	4.21%
Al_2 308.215 R†	423.5	0.11959	mg/L	0.005848	143.57	mg/L	7.020	4.89%
Ca 315.887 R†	8365.5	0.48162	mg/L	0.001240	578.18	mg/L	1.489	0.26%
Fe_1 273.955†	6794.7	0.13627	mg/L	0.003346	163.58	mg/L	4.017	2.46%
Fe_2 238.863 R†	148.1	0.13508	mg/L	0.002164	162.16	mg/L	2.597	1.60%
Mg 279.077 R†	244.9	0.11576	mg/L	0.001320	138.97	mg/L	1.585	1.14%
Na_1 589.592 R†	9658.3	0.88693	mg/L	0.032636	1064.7	mg/L	39.18	3.68%
Na_2 330.237 R†	50.1	0.69514	mg/L	0.116896	834.51	mg/L	140.332	16.82%
Zn 206.200†	158.7	0.00494	mg/L	0.000207	5.9304	mg/L	0.24832	4.19%

Sequence No.: 20
Sample ID: H6LTH
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 6/16/2006 1:23:21 PM
Data Type: Reprocessed on 6/16/2006 2:16:13 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTH

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	345778.4	104.88	%	1.549				1.48%
In Radial	16474.8	105.25	%	0.015				0.01%
Y_ Axial	1332963.2	102.65	%	1.449				1.41%
Y_ Radial	138325.9	100.19	%	2.060				2.06%
Sc Axial	1463708.1	102.83	%	1.452				1.41%
Sc Radial	149003.4	100.18	%	2.107				2.10%
Al_1 396.153 R†	1482.0	0.12144	mg/L	0.003228	145.79	mg/L	3.875	2.66%
Al_2 308.215 R†	446.8	0.12616	mg/L	0.007841	151.46	mg/L	9.413	6.22%
Ca 315.887 R†	8653.4	0.49820	mg/L	0.002838	598.08	mg/L	3.407	0.57%
Fe_1 273.955†	7613.9	0.15270	mg/L	0.002576	183.31	mg/L	3.092	1.69%
Fe_2 238.863 R†	168.2	0.15340	mg/L	0.000034	184.15	mg/L	0.041	0.02%
Mg 279.077 R†	244.5	0.11556	mg/L	0.010390	138.72	mg/L	12.472	8.99%
Na_1 589.592 R†	7916.6	0.72698	mg/L	0.006307	872.73	mg/L	7.571	0.87%
Na_2 330.237 R†	24.9	0.34235	mg/L	0.137504	410.99	mg/L	165.071	40.16%
Zn 206.200†	157.2	0.00490	mg/L	0.000125	5.8765	mg/L	0.14991	2.55%

Sequence No.: 21
Sample ID: H6LTK
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 6/16/2006 1:26:54 PM
Data Type: Reprocessed on 6/16/2006 2:16:14 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	343691.3	104.25	%	1.341				1.29%
In Radial	16458.7	105.14	%	0.625				0.59%
Y_ Axial	1334005.0	102.73	%	1.473				1.43%
Y_ Radial	144552.1	104.70	%	3.985				3.81%
Sc Axial	1467317.9	103.09	%	1.450				1.41%
Sc Radial	155502.2	104.55	%	4.090				3.91%
Al_1 396.153 R†	1849.9	0.15158	mg/L	0.003955	181.97	mg/L	4.748	2.61%
Al_2 308.215 R†	545.0	0.15391	mg/L	0.000637	184.76	mg/L	0.765	0.41%
Ca 315.887 R†	9762.6	0.56206	mg/L	0.004087	674.74	mg/L	4.906	0.73%
Fe_1 273.955†	10014.5	0.20084	mg/L	0.003254	241.10	mg/L	3.907	1.62%
Fe_2 238.863 R†	217.3	0.19817	mg/L	0.012377	237.89	mg/L	14.858	6.25%
Mg 279.077 R†	313.2	0.14802	mg/L	0.003567	177.69	mg/L	4.282	2.41%
Na_1 589.592 R†	9012.0	0.82758	mg/L	0.010914	993.49	mg/L	13.102	1.32%
Na_2 330.237 R†	62.3	0.86313	mg/L	0.195711	1036.2	mg/L	234.95	22.67%
Zn 206.200†	267.8	0.00834	mg/L	0.000066	10.011	mg/L	0.0791	0.79%

Sequence No.: 22
Sample ID: H6LTL
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 6/16/2006 1:30:30 PM
Data Type: Reprocessed on 6/16/2006 2:16:15 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	340607.3	103.31	%	2.202				2.13%
In Radial	16495.7	105.38	%	0.481				0.46%
Y_ Axial	1310019.1	100.88	%	1.948				1.93%
Y_ Radial	141152.5	102.24	%	5.421				5.30%
Sc Axial	1440360.9	101.19	%	2.080				2.06%
Sc Radial	151993.5	102.20	%	5.404				5.29%
Al_1 396.153 R†	4205.7	0.34463	mg/L	0.000630	413.72	mg/L	0.756	0.18%
Al_2 308.215 R†	1223.7	0.34556	mg/L	0.017912	414.84	mg/L	21.503	5.18%
Ca 315.887 R†	10077.5	0.58019	mg/L	0.005960	696.51	mg/L	7.155	1.03%
Fe_1 273.955†	35204.4	0.70602	mg/L	0.001749	847.56	mg/L	2.099	0.25%
Fe_2 238.863 R†	771.7	0.70370	mg/L	0.045635	844.78	mg/L	54.783	6.48%
Mg 279.077 R†	445.6	0.21059	mg/L	0.010451	252.81	mg/L	12.547	4.96%
Na_1 589.592 R†	10519.5	0.96601	mg/L	0.007140	1159.7	mg/L	8.57	0.74%
Na_2 330.237 R†	55.0	0.76473	mg/L	0.135457	918.04	mg/L	162.614	17.71%
Zn 206.200†	214.3	0.00667	mg/L	0.000001	8.0100	mg/L	0.00111	0.01%

Sequence No.: 23
Sample ID: H6LTM
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 6/16/2006 1:34:07 PM
Data Type: Reprocessed on 6/16/2006 2:16:16 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTM

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	337420.2	102.34	%	0.830				0.81%
In Radial	16696.5	106.66	%	0.283				0.26%
Y_ Axial	1308668.0	100.78	%	0.792				0.79%
Y_ Radial	142175.9	102.98	%	0.738				0.72%
Sc Axial	1440204.3	101.18	%	0.806				0.80%
Sc Radial	153140.2	102.97	%	0.610				0.59%
Al_1 396.153 R†	2045.6	0.16762	mg/L	0.001455	201.23	mg/L	1.746	0.87%
Al_2 308.215 R†	616.8	0.17419	mg/L	0.000013	209.11	mg/L	0.016	0.01%
Ca 315.887 R†	8277.4	0.47655	mg/L	0.003461	572.09	mg/L	4.155	0.73%
Fe_1 273.955†	9009.7	0.18069	mg/L	0.000916	216.91	mg/L	1.099	0.51%
Fe_2 238.863 R†	194.1	0.17703	mg/L	0.012091	212.52	mg/L	14.515	6.83%
Mg 279.077 R†	273.3	0.12917	mg/L	0.003313	155.06	mg/L	3.977	2.56%
Na_1 589.592 R†	8668.7	0.79605	mg/L	0.010409	955.64	mg/L	12.496	1.31%
Na_2 330.237 R†	48.6	0.67426	mg/L	0.148258	809.44	mg/L	177.980	21.99%
Zn 206.200†	166.0	0.00517	mg/L	0.000157	6.2029	mg/L	0.18837	3.04%

Sequence No.: 24
Sample ID: H6LTN
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 6/16/2006 1:37:44 PM
Data Type: Reprocessed on 6/16/2006 2:16:17 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	338199.2	102.58	%	1.533				1.49%
In Radial	16556.8	105.77	%	0.086				0.08%
Y_ Axial	1315934.0	101.34	%	1.645				1.62%
Y_ Radial	143415.2	103.87	%	0.225				0.22%
Sc Axial	1445903.0	101.58	%	1.663				1.64%
Sc Radial	153902.8	103.48	%	0.223				0.22%
Al_1 396.153 R†	1378.2	0.11294	mg/L	0.004826	135.58	mg/L	5.793	4.27%
Al_2 308.215 R†	434.5	0.12269	mg/L	0.000999	147.29	mg/L	1.200	0.81%
Ca 315.887 R†	6890.3	0.39669	mg/L	0.005767	476.22	mg/L	6.923	1.45%
Fe_1 273.955†	7379.3	0.14799	mg/L	0.002568	177.66	mg/L	3.083	1.74%
Fe_2 238.863 R†	157.7	0.14383	mg/L	0.006181	172.67	mg/L	7.420	4.30%
Mg 279.077 R†	223.6	0.10569	mg/L	0.004641	126.88	mg/L	5.571	4.39%
Na_1 589.592 R†	5460.4	0.50143	mg/L	0.001335	601.96	mg/L	1.602	0.27%
Na_2 330.237 R†	14.4	0.19558	mg/L	0.149890	234.79	mg/L	179.940	76.64%
Zn 206.200†	195.7	0.00609	mg/L	0.000038	7.3131	mg/L	0.04545	0.62%

Sequence No.: 25
Sample ID: H6LTQ
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 6/16/2006 1:41:22 PM
Data Type: Reprocessed on 6/16/2006 2:16:17 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTQ

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	349557.3	106.02	%	3.105				2.93%
In Radial	16531.7	105.61	%	0.274				0.26%
Y_ Axial	1354889.2	104.34	%	3.132				3.00%
Y_ Radial	139576.6	101.09	%	1.064				1.05%
Sc Axial	1487465.3	104.50	%	3.108				2.97%
Sc Radial	150011.5	100.86	%	1.144				1.13%
Al_1 396.153 R†	72.1	0.00591	mg/L	0.003309	7.0939	mg/L	3.97188	55.99%
Al_2 308.215 R†	56.8	0.01603	mg/L	0.000379	19.240	mg/L	0.4553	2.37%
Ca 315.887 R†	3316.5	0.19094	mg/L	0.002680	229.22	mg/L	3.217	1.40%
Fe_1 273.955†	662.8	0.01329	mg/L	0.000821	15.957	mg/L	0.9857	6.18%
Fe_2 238.863 R†	11.3	0.01027	mg/L	0.008604	12.324	mg/L	10.3293	83.82%
Mg 279.077 R†	50.4	0.02383	mg/L	0.004209	28.605	mg/L	5.0525	17.66%
Na_1 589.592 R†	5252.0	0.48229	mg/L	0.000175	578.98	mg/L	0.210	0.04%
Na_2 330.237 R†	12.9	0.17878	mg/L	0.089341	214.62	mg/L	107.252	49.97%
Zn 206.200†	53.3	0.00166	mg/L	0.000050	1.9920	mg/L	0.06019	3.02%

Sequence No.: 26
Sample ID: H6LTV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 6/16/2006 1:45:00 PM
Data Type: Reprocessed on 6/16/2006 2:16:18 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	349601.3	106.04	%	1.074				1.01%
In Radial	16644.5	106.33	%	0.237				0.22%
Y_ Axial	1351684.6	104.09	%	1.217				1.17%
Y_ Radial	142503.3	103.21	%	1.389				1.35%
Sc Axial	1485412.4	104.36	%	1.181				1.13%
Sc Radial	153346.7	103.11	%	1.416				1.37%
Al_1 396.153 R†	4670.7	0.38274	mg/L	0.003629	459.47	mg/L	4.357	0.95%
Al_2 308.215 R†	1322.9	0.37357	mg/L	0.002443	448.46	mg/L	2.933	0.65%
Ca 315.887 R†	14219.2	0.81864	mg/L	0.004412	982.76	mg/L	5.296	0.54%
Fe_1 273.955†	22338.1	0.44799	mg/L	0.004066	537.80	mg/L	4.882	0.91%
Fe_2 238.863 R†	496.4	0.45267	mg/L	0.005781	543.42	mg/L	6.940	1.28%
Mg 279.077 R†	568.3	0.26860	mg/L	0.001223	322.45	mg/L	1.468	0.46%
Na_1 589.592 R†	7836.5	0.71963	mg/L	0.004934	863.90	mg/L	5.924	0.69%
Na_2 330.237 R†	44.1	0.60938	mg/L	0.369288	731.55	mg/L	443.323	60.60%
Zn 206.200†	267.7	0.00834	mg/L	0.000021	10.006	mg/L	0.0247	0.25%

Sequence No.: 27
Sample ID: H6LTX
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 6/16/2006 1:48:35 PM
Data Type: Reprocessed on 6/16/2006 2:16:20 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LTX

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	346434.8	105.08	%	1.003				0.95%
In Radial	16634.5	106.27	%	0.901				0.85%
Y_ Axial	1346082.2	103.66	%	1.058				1.02%
Y_ Radial	143251.3	103.76	%	1.581				1.52%
Sc Axial	1480413.0	104.01	%	1.061				1.02%
Sc Radial	154043.8	103.57	%	1.627				1.57%
Al_1 396.153 R†	3976.7	0.32587	mg/L	0.008738	391.20	mg/L	10.490	2.68%
Al_2 308.215 R†	1159.9	0.32755	mg/L	0.004014	393.22	mg/L	4.819	1.23%
Ca 315.887 R†	11226.0	0.64631	mg/L	0.000525	775.88	mg/L	0.631	0.08%
Fe_1 273.955†	18798.9	0.37701	mg/L	0.004630	452.59	mg/L	5.558	1.23%
Fe_2 238.863 R†	412.2	0.37590	mg/L	0.006799	451.26	mg/L	8.163	1.81%
Mg 279.077 R†	505.0	0.23870	mg/L	0.007933	286.56	mg/L	9.523	3.32%
Na_1 589.592 R†	8428.5	0.77399	mg/L	0.006042	929.16	mg/L	7.253	0.78%
Na_2 330.237 R†	28.0	0.38614	mg/L	0.158237	463.55	mg/L	189.961	40.98%
Zn 206.200†	200.0	0.00623	mg/L	0.000048	7.4757	mg/L	0.05764	0.77%

Sequence No.: 28
Sample ID: H6LT1
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 6/16/2006 1:52:09 PM
Data Type: Reprocessed on 6/16/2006 2:16:21 PM
Initial Sample Vol: 0.0833 mL
Sample Prep Vol: 100 mL

Mean Data: H6LT1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	345052.0	104.66	%	0.128				0.12%
In Radial	16541.3	105.67	%	0.299				0.28%
Y_ Axial	1316240.4	101.36	%	0.304				0.30%
Y_ Radial	141485.2	102.48	%	1.513				1.48%
Sc Axial	1449420.1	101.83	%	0.167				0.16%
Sc Radial	152254.1	102.37	%	1.599				1.56%
Al_1 396.153 R†	22636.8	1.8549	mg/L	0.00846	2226.8	mg/L	10.15	0.46%
Al_2 308.215 R†	6448.8	1.8210	mg/L	0.01988	2186.1	mg/L	23.86	1.09%
Ca 315.887 R†	34011.8	1.9581	mg/L	0.01942	2350.7	mg/L	23.31	0.99%
Fe_1 273.955†	236263.1	4.7382	mg/L	0.02193	5688.2	mg/L	26.33	0.46%
Fe_2 238.863 R†	5149.9	4.6961	mg/L	0.04394	5637.6	mg/L	52.75	0.94%
Mg 279.077 R†	1947.0	0.92023	mg/L	0.038383	1104.7	mg/L	46.08	4.17%
Na_1 589.592 R†	17009.1	1.5620	mg/L	0.02192	1875.1	mg/L	26.31	1.40%
Na_2 330.237 R†	109.4	1.5305	mg/L	0.03291	1837.4	mg/L	39.51	2.15%
Zn 206.200†	409.4	0.01275	mg/L	0.000042	15.303	mg/L	0.0507	0.33%

Sequence No.: 29
Sample ID: CCV
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/16/2006 1:55:06 PM
Data Type: Reprocessed on 6/16/2006 2:16:21 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	315413.5	95.668	%	2.3062				2.41%
In Radial	15848.8	101.25	%	2.012				1.99%
Y_ Axial	1256960.4	96.798	%	1.9319				2.00%
Y_ Radial	134815.1	97.645	%	2.2739				2.33%
Sc Axial	1391680.6	97.772	%	2.0439				2.09%
Sc Radial	145887.3	98.090	%	2.2187				2.26%
Al_1 396.153 R†	311017.4	25.486	mg/L	0.5181	25.486	mg/L	0.5181	2.03%
Al_2 308.215 R†	89176.1	25.182	mg/L	0.0139	25.182	mg/L	0.0139	0.06%
Ca 315.887 R†	459300.6	26.443	mg/L	0.5622	26.443	mg/L	0.5622	2.13%
Fe_1 273.955†	1278481.7	25.640	mg/L	0.1619	25.640	mg/L	0.1619	0.63%
Fe_2 238.863 R†	28997.6	26.443	mg/L	0.0436	26.443	mg/L	0.0436	0.17%
Mg 279.077 R†	56279.0	26.600	mg/L	0.0811	26.600	mg/L	0.0811	0.30%
Na_1 589.592 R†	271643.9	24.945	mg/L	0.5122	24.945	mg/L	0.5122	2.05%
Na_2 330.237 R†	1910.5	25.171	mg/L	0.1566	25.171	mg/L	0.1566	0.62%
Zn 206.200†	83291.3	2.5932	mg/L	0.02257	2.5932	mg/L	0.02257	0.87%

Sequence No.: 30
Sample ID: CCB
Analyst: AWW
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/16/2006 1:57:22 PM
Data Type: Reprocessed on 6/16/2006 2:16:22 PM
Initial Sample Vol: 1 mL
Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
In Axial	339309.2	102.92	%	0.645				0.63%
In Radial	16282.9	104.02	%	0.566				0.54%
Y_ Axial	1323099.4	101.89	%	0.755				0.74%
Y_ Radial	138941.6	100.63	%	0.452				0.45%
Sc Axial	1453503.8	102.11	%	0.742				0.73%
Sc Radial	149355.2	100.42	%	0.529				0.53%
Al_1 396.153 R†	-15.0	-0.00123	mg/L	0.002275	-0.00123	mg/L	0.002275	184.82%
Al_2 308.215 R†	14.9	0.00422	mg/L	0.003842	0.00422	mg/L	0.003842	91.14%
Ca 315.887 R†	10.4	0.00060	mg/L	0.000892	0.00060	mg/L	0.000892	149.51%
Fe_1 273.955†	95.1	0.00191	mg/L	0.000386	0.00191	mg/L	0.000386	20.22%
Fe_2 238.863 R†	7.0	0.00634	mg/L	0.000290	0.00634	mg/L	0.000290	4.57%
Mg 279.077 R†	1.4	0.00067	mg/L	0.003823	0.00067	mg/L	0.003823	571.43%
Na_1 589.592 R†	97.3	0.00894	mg/L	0.020078	0.00894	mg/L	0.020078	224.67%
Na_2 330.237 R†	-8.8	-0.12283	mg/L	0.087991	-0.12283	mg/L	0.087991	71.64%
Zn 206.200†	7.1	0.00022	mg/L	0.000020	0.00022	mg/L	0.000020	8.96%

ICPMS

SEVERN TRENT STL

STL Sacramento
ICP-MS Data Review Checklist
Level I and Level II

Instrument ID (Circle one): (M01) M02		Method 6020 SOP SAC-MT-0001	
File Number 060616B1	Batch Numbers 6160308, 6160319, 6166429, 6166433	Date 6/16/06	Analyst BRJ/BEV

Lot Numbers G6F020224, G6F020219, G6F150200, G6F150196	YES	NO	NA
1. Copy of analysis protocol used included?	X		
2. ICVs & CCVs within 10% of true value or recal and rerun?	X		
3. ICB & CCBs < reporting limit or recal and rerun?	X		
4. 10 samples or less analyzed between calibration checks?	X		
5. All parameters within linear range?	X		
6. LCS/LCSD within limits? wrong LCS for batch 6160308 rerun	X		
7. Prep blank value < reporting limit or all samples >20x blank?	X		
8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <130% of the Calibration Blank intensities?	X		
9. Appropriate dilution factors applied to data?	X		
10. Matrix spike and spike dup within customer defined limits?			X
11. Each batch checked for presence of internal standard in samples?	X		
12. Anomalies entered using Clouseau?			X

COMMENTS:

REVIEWED BY: MTL DATE: 6/20/06	DATA ENTERED BY: BEV DATE: 6/20/06

QA-427 ERS 6/11/03

Dataset Report

Perkin Elmer ICPMS M01
SOP No. SAC-MT-0001
Method 6020
User Name: JonesB
Computer Name: SACP317A
Dataset File Path: C:\elandata\Dataset\060616B1\
Report Date/Time: Monday, June 19, 2006 14:43:36

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
6160308	H6LT9 n.i.	16:33:26 Fri 16-Jun-06	Sample	G6F020224-1 N.I.
6160319	H6LTF n.i.	16:36:12 Fri 16-Jun-06	Sample	G6F020219-1 N.I.
6166429	H7F9C n.i.	16:38:58 Fri 16-Jun-06	Sample	G6F150200-1 N.I.
6166433	H7F78 n.i.	16:41:45 Fri 16-Jun-06	Sample	G6F150196-1 N.I.
	Rinse 3X	17:48:06 Fri 16-Jun-06	Sample	
	Blank	17:52:32 Fri 16-Jun-06	Blank	
	Standard 1	17:56:53 Fri 16-Jun-06	Standard #1	
	ICV	18:00:58 Fri 16-Jun-06	Sample	
	ICB	18:05:09 Fri 16-Jun-06	Sample	
	ICSA	18:09:19 Fri 16-Jun-06	Sample	
	ICSAB	18:13:27 Fri 16-Jun-06	Sample	
	Rinse	18:44:20 Fri 16-Jun-06	Sample	
6160308	FB	18:48:31 Fri 16-Jun-06	Sample	FB-F1815158
6160319	FB	18:52:42 Fri 16-Jun-06	Sample	FB-F1815158
	CCV 1	18:56:53 Fri 16-Jun-06	Sample	
	CCB 1	19:01:04 Fri 16-Jun-06	Sample	
	CCV 2	19:05:15 Fri 16-Jun-06	Sample	
	CCB 2	19:09:26 Fri 16-Jun-06	Sample	
6160308	H64F0C	19:13:34 Fri 16-Jun-06	Sample	G6F090000-308 LCS } 6010 - RERUN - DO NOT REPORT
6160308	H64F0L	19:17:40 Fri 16-Jun-06	Sample	G6F090000-308 LCSD } 6010 - RERUN - DO NOT REPORT
	Rinse	19:21:50 Fri 16-Jun-06	Sample	
6160308	H64F0B	19:26:02 Fri 16-Jun-06	Sample	G6F090000-308 BLK - Li >130% } RERUN BC
6160308	H6LT9	19:30:11 Fri 16-Jun-06	Sample	G6F020224-1 - Li >130% } RERUN BC
6160308	H6LT9P5	19:34:18 Fri 16-Jun-06	Sample	G6F020224-1 5X } RERUN BC
6160308	H6LT9Z	19:38:25 Fri 16-Jun-06	Sample	G6F020224-1 PS } RERUN BC
6160308	H6LVC	19:42:32 Fri 16-Jun-06	Sample	G6F020224-2
6160308	H6LVD	19:46:43 Fri 16-Jun-06	Sample	G6F020224-3
6160308	H6LVE	19:50:51 Fri 16-Jun-06	Sample	G6F020224-4
	CCV 3 } RECAL	19:55:01 Fri 16-Jun-06	Sample	
	CCB 3 } RECAL	19:59:12 Fri 16-Jun-06	Sample	
	CCV 4	20:03:23 Fri 16-Jun-06	Sample	
	CCB 4	20:07:34 Fri 16-Jun-06	Sample	
6160308	H6LVF	20:11:44 Fri 16-Jun-06	Sample	G6F020224-5
6160308	H6LVH	20:15:53 Fri 16-Jun-06	Sample	G6F020224-6
6160308	H6LVK	20:20:03 Fri 16-Jun-06	Sample	G6F020224-7
6160308	H6LVL	20:24:13 Fri 16-Jun-06	Sample	G6F020224-8
6160308	H6LVM	20:28:24 Fri 16-Jun-06	Sample	G6F020224-9
6160308	H6LVN	20:32:34 Fri 16-Jun-06	Sample	G6F020224-10
6160308	H6LVQ	20:36:46 Fri 16-Jun-06	Sample	G6F020224-11
6160308	H6LVR	20:40:57 Fri 16-Jun-06	Sample	G6F020224-12
6160308	H6LVT	20:45:09 Fri 16-Jun-06	Sample	G6F020224-13
6160308	H6LVV	20:49:22 Fri 16-Jun-06	Sample	G6F020224-14
	CCV 5	20:53:33 Fri 16-Jun-06	Sample	
	CCB 5	20:57:44 Fri 16-Jun-06	Sample	
	CCV 6	21:01:55 Fri 16-Jun-06	Sample	
	CCB 6	21:06:06 Fri 16-Jun-06	Sample	
6160319	H64G4C	21:10:15 Fri 16-Jun-06	Sample	G6F090000-319 LCS
6160319	H64G4L	21:14:22 Fri 16-Jun-06	Sample	G6F090000-319 LCSD
	Rinse	21:18:32 Fri 16-Jun-06	Sample	

6160319	H64G4B	21:22:44 Fri 16-Jun-06	Sample	G6F090000-319 BLK
6160319	H6LTF	21:26:53 Fri 16-Jun-06	Sample	G6F020219-1
6160319	H6LTFP5	21:31:00 Fri 16-Jun-06	Sample	G6F020219-1 5X
6160319	H6LTFZ	21:35:07 Fri 16-Jun-06	Sample	G6F020219-1 PS
6160319	H6LTG	21:39:15 Fri 16-Jun-06	Sample	G6F020219-2
6160319	H6LTH	21:43:23 Fri 16-Jun-06	Sample	G6F020219-3
	CCV 7	21:47:33 Fri 16-Jun-06	Sample	
	CCB 7	21:51:44 Fri 16-Jun-06	Sample	
	CCV 8	21:55:55 Fri 16-Jun-06	Sample	
	CCB 8	22:00:06 Fri 16-Jun-06	Sample	
6160319	H6LTK	22:04:16 Fri 16-Jun-06	Sample	G6F020219-4
6160319	H6LTL	22:08:25 Fri 16-Jun-06	Sample	G6F020219-5
6160319	H6LTM	22:12:34 Fri 16-Jun-06	Sample	G6F020219-6
6160319	H6LTN	22:16:43 Fri 16-Jun-06	Sample	G6F020219-7
6160319	H6LTQ	22:20:53 Fri 16-Jun-06	Sample	G6F020219-8
6160319	H6LTV	22:25:03 Fri 16-Jun-06	Sample	G6F020219-9
6160319	H6LTX	22:29:14 Fri 16-Jun-06	Sample	G6F020219-10
6160319	H6LT1	22:33:25 Fri 16-Jun-06	Sample	G6F020219-11
6160319	H6LT2	22:37:37 Fri 16-Jun-06	Sample	G6F020219-12
6160319	H6LT4	22:41:48 Fri 16-Jun-06	Sample	G6F020219-13
	CCV 9	22:45:59 Fri 16-Jun-06	Sample	
	CCB 9	22:50:10 Fri 16-Jun-06	Sample	
SHORT LIST	CCV 10	22:54:21 Fri 16-Jun-06	Sample	
	CCB 10	22:58:00 Fri 16-Jun-06	Sample	
	CCV 11	23:01:40 Fri 16-Jun-06	Sample	
	CCB 11	23:05:20 Fri 16-Jun-06	Sample	
6166429	H7HE6C	23:08:58 Fri 16-Jun-06	Sample	G6F150000-429 LCS
6166429	H7HE6L	23:12:34 Fri 16-Jun-06	Sample	G6F150000-429 LCSD
	Rinse	23:16:13 Fri 16-Jun-06	Sample	
6166429	H7HE6B	23:19:54 Fri 16-Jun-06	Sample	G6F150000-429 BLK
6166429	H7F9C	23:23:32 Fri 16-Jun-06	Sample	G6F150200-1
6166429	H7F9CP5	23:27:06 Fri 16-Jun-06	Sample	G6F150200-1 5X
6166429	H7F9CZ	23:30:42 Fri 16-Jun-06	Sample	G6F150200-1 PS
6166429	H7F9H	23:34:17 Fri 16-Jun-06	Sample	G6F150200-2
	CCV 12	23:37:55 Fri 16-Jun-06	Sample	
	CCB 12	23:41:34 Fri 16-Jun-06	Sample	
6166429	H7F9L	23:45:12 Fri 16-Jun-06	Sample	G6F150200-3
6166429	H7F9P	23:48:48 Fri 16-Jun-06	Sample	G6F150200-4
6166429	H7F9R	23:52:25 Fri 16-Jun-06	Sample	G6F150200-5
6166429	H7F9X	23:56:02 Fri 16-Jun-06	Sample	G6F150200-6
6166429	H7F91	23:59:40 Fri 16-Jun-06	Sample	G6F150200-7
6166429	H7F95	00:03:18 Sat 17-Jun-06	Sample	G6F150200-8
6166429	H7F97	00:06:56 Sat 17-Jun-06	Sample	G6F150200-9
6166429	H7F98	00:10:35 Sat 17-Jun-06	Sample	G6F150200-10
	CCV 13	00:14:14 Sat 17-Jun-06	Sample	
	CCB 13	00:17:54 Sat 17-Jun-06	Sample	
	CCV 14	00:21:33 Sat 17-Jun-06	Sample	
	CCB 14	00:25:13 Sat 17-Jun-06	Sample	
6166433	H7HGGC	00:28:52 Sat 17-Jun-06	Sample	G6F150000-433 LCS
6166433	H7HGGL	00:32:29 Sat 17-Jun-06	Sample	G6F150000-433 LCSD
	Rinse	00:36:08 Sat 17-Jun-06	Sample	
6166433	H7HGGB	00:39:49 Sat 17-Jun-06	Sample	G6F150000-433 BLK
6166433	H7F78	00:43:27 Sat 17-Jun-06	Sample	G6F150196-1
6166433	H7F78P5	00:47:02 Sat 17-Jun-06	Sample	G6F150196-1
6166433	H7F78X	00:50:38 Sat 17-Jun-06	Sample	G6F150196-1 DU
6166433	H7F78Z	00:54:13 Sat 17-Jun-06	Sample	G6F150196-1
6166433	H7F8P	00:57:50 Sat 17-Jun-06	Sample	G6F150196-2
6166433	H7F8R	01:01:26 Sat 17-Jun-06	Sample	G6F150196-3
	CCV 15	01:05:04 Sat 17-Jun-06	Sample	
	CCB 15	01:08:44 Sat 17-Jun-06	Sample	

6166433	H7F8V	01:12:23 Sat 17-Jun-06	Sample	G6F150196-4
6166433	H7F81	01:16:00 Sat 17-Jun-06	Sample	G6F150196-5
6166433	H7F82	01:19:38 Sat 17-Jun-06	Sample	G6F150196-6
6166433	H7F83	01:23:16 Sat 17-Jun-06	Sample	G6F150196-7
6166433	H7F84	01:26:54 Sat 17-Jun-06	Sample	G6F150196-8
6166433	H7F86	01:30:33 Sat 17-Jun-06	Sample	G6F150196-9
6166433	H7F87	01:34:12 Sat 17-Jun-06	Sample	G6F150196-10
6166433	H7F88	01:37:52 Sat 17-Jun-06	Sample	G6F150196-11
6166433	H7F89	01:41:32 Sat 17-Jun-06	Sample	G6F150196-12
6166433	H7F9A	01:45:13 Sat 17-Jun-06	Sample	G6F150196-13
	CCV 16	01:48:53 Sat 17-Jun-06	Sample	
	CCB 16	01:52:32 Sat 17-Jun-06	Sample	

STL Sacramento RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 06/20/06 13:49:38

File ID: 060616B1 **Analyst:** votawb

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	H6LT9 n.i.	G6F020224-1	6160308	2A	1.0	06/16/06 16:33		☐
2	H6LTF n.i.	G6F020219-1	6160319	2A	1.0	06/16/06 16:36		☐
3	H7F9C n.i.	G6F150200-1	6166429	2A	1.0	06/16/06 16:38		☐
4	H7F78 n.i.	G6F150196-1	6166433	2A	1.0	06/16/06 16:41		☐
5	Rinse 3X				3.0	06/16/06 17:48		☐
6	Blank				1.0	06/16/06 17:52		☐
7	Standard 1				1.0	06/16/06 17:56		☐
8	ICV				1.0	06/16/06 18:00		☐
9	ICB				1.0	06/16/06 18:05		☐
10	ICSA				1.0	06/16/06 18:09		☐
11	ICSAB				1.0	06/16/06 18:13		☐
12	Rinse				1.0	06/16/06 18:44		☐
13	FB				1.0	06/16/06 18:48		☐
14	FB				1.0	06/16/06 18:52		☐
15	CCV 1				1.0	06/16/06 18:56		☐
16	CCB 1				1.0	06/16/06 19:01		☐
17	CCV 2				1.0	06/16/06 19:05		☐
18	CCB 2				1.0	06/16/06 19:09		☐
19	H64F0C	G6F090000	6160308	2A	1.0	06/16/06 19:13		☐
20	H64F0L	G6F090000	6160308	2A	1.0	06/16/06 19:17		☐
21	Rinse				1.0	06/16/06 19:21		☐
22	H64F0B	G6F090000	6160308	2A	1.0	06/16/06 19:26		☐
23	H6LT9	G6F020224-1	6160308	2A	1.0	06/16/06 19:30		☐
24	H6LT9P5	G6F020224	6160308		5.0	06/16/06 19:34		☐
25	H6LT9Z	G6F020224-1	6160308		1.0	06/16/06 19:38		☐
26	H6LVC	G6F020224-2	6160308	2A	1.0	06/16/06 19:42		☐
27	H6LVD	G6F020224-3	6160308	2A	1.0	06/16/06 19:46		☐
28	H6LVE	G6F020224-4	6160308	2A	1.0	06/16/06 19:50		☐
29	CCV 3				1.0	06/16/06 19:55		☐
30	CCB 3				1.0	06/16/06 19:59		☐
33	CCV 4				1.0	06/16/06 20:03		☐
34	CCB 4				1.0	06/16/06 20:07		☐
35	H6LVF	G6F020224-5	6160308	2A	1.0	06/16/06 20:11		☐
36	H6LVH	G6F020224-6	6160308	2A	1.0	06/16/06 20:15		☐
37	H6LVK	G6F020224-7	6160308	2A	1.0	06/16/06 20:20		☐
38	H6LVL	G6F020224-8	6160308	2A	1.0	06/16/06 20:24		☐
39	H6LVM	G6F020224-9	6160308	2A	1.0	06/16/06 20:28		☐
40	H6LVN	G6F020224-10	6160308	2A	1.0	06/16/06 20:32		☐
41	H6LVQ	G6F020224-11	6160308	2A	1.0	06/16/06 20:36		☐
42	H6LVR	G6F020224-12	6160308	2A	1.0	06/16/06 20:40		☐
43	H6LVT	G6F020224-13	6160308	2A	1.0	06/16/06 20:45		☐
44	H6LVV	G6F020224-14	6160308	2A	1.0	06/16/06 20:49		☐
45	CCV 5				1.0	06/16/06 20:53		☐
46	CCB 5				1.0	06/16/06 20:57		☐
47	CCV 6				1.0	06/16/06 21:01		☐
48	CCB 6				1.0	06/16/06 21:06		☐

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 06/20/06 13:49:38

File ID: 060616B1 **Analyst:** votawb

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
49	H64G4C	G6F090000	6160319	2A	1.0	06/16/06 21:10		☐
50	H64G4L	G6F090000	6160319	2A	1.0	06/16/06 21:14		☐
51	Rinse				1.0	06/16/06 21:18		☐
52	H64G4B	G6F090000	6160319	2A	1.0	06/16/06 21:22		☐
53	H6LTF	G6F020219-1	6160319	2A	1.0	06/16/06 21:26		☐
54	H6LTFP5	G6F020219	6160319		5.0	06/16/06 21:31		☐
55	H6LTFZ	G6F020219-1	6160319		1.0	06/16/06 21:35		☐
56	H6LTG	G6F020219-2	6160319	2A	1.0	06/16/06 21:39		☐
57	H6LTH	G6F020219-3	6160319	2A	1.0	06/16/06 21:43		☐
58	CCV 7				1.0	06/16/06 21:47		☐
59	CCB 7				1.0	06/16/06 21:51		☐
60	CCV 8				1.0	06/16/06 21:55		☐
61	CCB 8				1.0	06/16/06 22:00		☐
62	H6LTK	G6F020219-4	6160319	2A	1.0	06/16/06 22:04		☐
63	H6LTL	G6F020219-5	6160319	2A	1.0	06/16/06 22:08		☐
64	H6LTM	G6F020219-6	6160319	2A	1.0	06/16/06 22:12		☐
65	H6LTN	G6F020219-7	6160319	2A	1.0	06/16/06 22:16		☐
66	H6LTQ	G6F020219-8	6160319	2A	1.0	06/16/06 22:20		☐
67	H6LTV	G6F020219-9	6160319	2A	1.0	06/16/06 22:25		☐
68	H6LTX	G6F020219-10	6160319	2A	1.0	06/16/06 22:29		☐
69	H6LT1	G6F020219-11	6160319	2A	1.0	06/16/06 22:33		☐
70	H6LT2	G6F020219-12	6160319	2A	1.0	06/16/06 22:37		☐
71	H6LT4	G6F020219-13	6160319	2A	1.0	06/16/06 22:41		☐
72	CCV 9				1.0	06/16/06 22:45		☐
73	CCB 9				1.0	06/16/06 22:50		☐
74	CCV 10				1.0	06/16/06 22:54		☐
75	CCB 10				1.0	06/16/06 22:58		☐
76	CCV 11				1.0	06/16/06 23:01		☐
77	CCB 11				1.0	06/16/06 23:05		☐
78	H7HE6C	G6F150000	6166429	2A	1.0	06/16/06 23:08		☐
79	H7HE6L	G6F150000	6166429	2A	1.0	06/16/06 23:12		☐
80	Rinse				1.0	06/16/06 23:16		☐
81	H7HE6B	G6F150000	6166429	2A	1.0	06/16/06 23:19		☐
82	H7F9C	G6F150200-1	6166429	2A	1.0	06/16/06 23:23		☐
83	H7F9CP5	G6F150200	6166429		5.0	06/16/06 23:27		☐
84	H7F9CZ	G6F150200-1	6166429		1.0	06/16/06 23:30		☐
85	H7F9H	G6F150200-2	6166429	2A	1.0	06/16/06 23:34		☐
86	CCV 12				1.0	06/16/06 23:37		☐
87	CCB 12				1.0	06/16/06 23:41		☐
88	H7F9L	G6F150200-3	6166429	2A	1.0	06/16/06 23:45		☐
89	H7F9P	G6F150200-4	6166429	2A	1.0	06/16/06 23:48		☐
90	H7F9R	G6F150200-5	6166429	2A	1.0	06/16/06 23:52		☐
91	H7F9X	G6F150200-6	6166429	2A	1.0	06/16/06 23:56		☐
92	H7F91	G6F150200-7	6166429	2A	1.0	06/16/06 23:59		☐
93	H7F95	G6F150200-8	6166429	2A	1.0	06/17/06 00:03		☐
94	H7F97	G6F150200-9	6166429	2A	1.0	06/17/06 00:06		☐

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 06/20/06 13:49:38

File ID: **060616B1** **Analyst: votawb**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
95	H7F98	G6F150200-10	6166429	2A	1.0	06/17/06 00:10		☐
96	CCV 13				1.0	06/17/06 00:14		☐
97	CCB 13				1.0	06/17/06 00:17		☐
98	CCV 14				1.0	06/17/06 00:21		☐
99	CCB 14				1.0	06/17/06 00:25		☐
100	H7HGGC	G6F150000	6166433	2A	1.0	06/17/06 00:28		☐
101	H7HGGL	G6F150000	6166433	2A	1.0	06/17/06 00:32		☐
102	Rinse				1.0	06/17/06 00:36		☐
103	H7HGGB	G6F150000	6166433	2A	1.0	06/17/06 00:39		☐
104	H7F78	G6F150196-1	6166433	2A	1.0	06/17/06 00:43		☐
105	H7F78P5	G6F150196	6166433		5.0	06/17/06 00:47		☐
106	H7F78X	G6F150196-1	6166433	2A	1.0	06/17/06 00:50		☐
107	H7F78Z	G6F150196-1	6166433		1.0	06/17/06 00:54		☐
108	H7F8P	G6F150196-2	6166433	2A	1.0	06/17/06 00:57		☐
109	H7F8R	G6F150196-3	6166433	2A	1.0	06/17/06 01:01		☐
110	CCV 15				1.0	06/17/06 01:05		☐
111	CCB 15				1.0	06/17/06 01:08		☐
112	H7F8V	G6F150196-4	6166433	2A	1.0	06/17/06 01:12		☐
113	H7F81	G6F150196-5	6166433	2A	1.0	06/17/06 01:16		☐
114	H7F82	G6F150196-6	6166433	2A	1.0	06/17/06 01:19		☐
115	H7F83	G6F150196-7	6166433	2A	1.0	06/17/06 01:23		☐
116	H7F84	G6F150196-8	6166433	2A	1.0	06/17/06 01:26		☐
117	H7F86	G6F150196-9	6166433	2A	1.0	06/17/06 01:30		☐
118	H7F87	G6F150196-10	6166433	2A	1.0	06/17/06 01:34		☐
119	H7F88	G6F150196-11	6166433	2A	1.0	06/17/06 01:37		☐
120	H7F89	G6F150196-12	6166433	2A	1.0	06/17/06 01:41		☐
121	H7F9A	G6F150196-13	6166433	2A	1.0	06/17/06 01:45		☐
122	CCV 16				1.0	06/17/06 01:48		☐
123	CCB 16				1.0	06/17/06 01:52		☐

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 06/20/06 13:49:38

File ID: **060616B1** **Analyst: votawb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	H6LT9 n.i.	06/16/06 16:33	0.1	0.1	0.1	0.0	☐
2	H6LTF n.i.	06/16/06 16:36	0.1	0.0	0.1	0.0	☐
3	H7F9C n.i.	06/16/06 16:38	0.1	0.0	0.1	0.0	☐
4	H7F78 n.i.	06/16/06 16:41	0.3	0.1	0.1	0.1	☐
5	Rinse 3X	06/16/06 17:48	99.2	99.5	97.5	100.2	☐
6	Blank	06/16/06 17:52	100.0	100.0	100.0	100.0	☑
7	Standard 1	06/16/06 17:56	96.4	95.7	95.8	100.2	☑
8	ICV	06/16/06 18:00	96.8	97.2	99.0	100.3	☑
9	ICB	06/16/06 18:05	97.3	98.4	99.0	100.0	☑
10	ICSA	06/16/06 18:09	84.7	82.5	76.9	79.0	☑
11	ICSAB	06/16/06 18:13	83.9	82.5	77.9	78.2	☑
12	Rinse	06/16/06 18:44	96.1	97.5	93.0	99.7	☑
13	FB	06/16/06 18:48	99.7	100.2	100.6	101.5	☑
14	FB	06/16/06 18:52	100.1	100.6	101.0	99.5	☑
15	CCV 1	06/16/06 18:56	94.8	94.8	93.1	97.6	☑
16	CCB 1	06/16/06 19:01	96.7	97.2	95.3	99.1	☑
17	CCV 2	06/16/06 19:05	95.4	95.0	95.8	98.9	☑
18	CCB 2	06/16/06 19:09	96.5	98.1	95.9	99.0	☑
19	H64F0C	06/16/06 19:13	91.4	92.1	112.1	89.2	☑
20	H64F0L	06/16/06 19:17	93.5	94.8	120.5	87.7	☑
21	Rinse	06/16/06 19:21	102.2	102.7	125.8	94.1	☑
22	H64F0B	06/16/06 19:26	103.7	107.4	131.0	97.0	☑
23	H6LT9	06/16/06 19:30	105.2	107.4	131.4	98.3	☑
24	H6LT9P5	06/16/06 19:34	102.5	105.3	127.6	96.9	☐
25	H6LT9Z	06/16/06 19:38	101.4	104.3	125.5	99.2	☑
26	H6LVC	06/16/06 19:42	102.1	104.8	123.8	98.7	☑
27	H6LVD	06/16/06 19:46	102.7	105.5	123.0	99.3	☑
28	H6LVE	06/16/06 19:50	102.5	106.3	123.3	98.5	☑
29	CCV 3	06/16/06 19:55	97.2	99.0	111.1	96.9	☑
30	CCB 3	06/16/06 19:59	98.7	101.2	110.6	97.1	☑
33	CCV 4	06/16/06 20:03	99.4	98.7	101.0	100.6	☑
34	CCB 4	06/16/06 20:07	101.3	100.8	101.3	102.8	☑
35	H6LVF	06/16/06 20:11	106.4	104.9	108.0	101.3	☑
36	H6LVH	06/16/06 20:15	106.2	104.4	107.2	101.8	☑
37	H6LVK	06/16/06 20:20	107.0	105.4	108.8	103.5	☑
38	H6LVL	06/16/06 20:24	105.9	104.9	107.7	101.7	☑
39	H6LVM	06/16/06 20:28	106.7	105.2	108.4	103.8	☑
40	H6LVN	06/16/06 20:32	106.5	105.0	108.3	103.0	☑
41	H6LVQ	06/16/06 20:36	106.9	105.7	107.6	104.6	☑
42	H6LVR	06/16/06 20:40	106.6	105.3	107.2	104.5	☑
43	H6LVT	06/16/06 20:45	106.5	104.8	106.6	103.6	☑
44	H6LVV	06/16/06 20:49	107.1	105.6	108.6	104.2	☑
45	CCV 5	06/16/06 20:53	100.6	98.9	101.0	102.0	☑
46	CCB 5	06/16/06 20:57	102.5	102.0	103.7	103.9	☑
47	CCV 6	06/16/06 21:01	100.3	99.8	103.5	102.7	☑
48	CCB 6	06/16/06 21:06	102.7	101.9	104.3	104.7	☑

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 06/20/06 13:49:38

File ID: **060616B1** **Analyst: votawb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
49	H64G4C	06/16/06 21:10	102.6	103.6	109.1	106.1	☑
50	H64G4L	06/16/06 21:14	102.1	103.8	109.0	104.9	☑
51	Rinse	06/16/06 21:18	102.3	102.6	106.8	102.8	☑
52	H64G4B	06/16/06 21:22	104.9	105.5	109.9	106.3	☑
53	H6LTF	06/16/06 21:26	105.9	104.8	112.2	103.2	☑
54	H6LTFP5	06/16/06 21:31	103.5	102.9	107.8	103.4	☐
55	H6LTFZ	06/16/06 21:35	103.1	103.7	111.2	104.6	☑
56	H6LTG	06/16/06 21:39	103.9	104.4	109.6	104.7	☑
57	H6LTH	06/16/06 21:43	105.2	104.4	111.3	105.2	☑
58	CCV 7	06/16/06 21:47	101.5	100.4	105.2	102.3	☑
59	CCB 7	06/16/06 21:51	102.9	102.9	106.9	103.6	☑
60	CCV 8	06/16/06 21:55	101.5	100.6	106.6	102.0	☑
61	CCB 8	06/16/06 22:00	103.6	103.7	107.6	104.9	☑
62	H6LTK	06/16/06 22:04	106.2	105.2	112.0	105.0	☑
63	H6LTL	06/16/06 22:08	106.0	105.8	111.7	105.4	☑
64	H6LTM	06/16/06 22:12	106.4	105.9	111.3	107.0	☑
65	H6LTN	06/16/06 22:16	107.8	106.1	112.4	106.7	☑
66	H6LTQ	06/16/06 22:20	107.8	107.3	112.5	105.3	☑
67	H6LTV	06/16/06 22:25	107.5	106.6	111.3	105.0	☑
68	H6LTX	06/16/06 22:29	107.3	107.4	112.2	106.3	☑
69	H6LT1	06/16/06 22:33	104.0	103.8	109.0	105.7	☑
70	H6LT2	06/16/06 22:37	103.6	101.9	109.2	105.8	☑
71	H6LT4	06/16/06 22:41	104.4	104.9	109.5	106.8	☑
72	CCV 9	06/16/06 22:45	103.3	100.6	106.0	105.6	☑
73	CCB 9	06/16/06 22:50	104.6	102.9	108.0	105.7	☑
74	CCV 10	06/16/06 22:54	103.2	100.6	107.2	102.8	☑
75	CCB 10	06/16/06 22:58	104.6	102.0	107.9	103.7	☑
76	CCV 11	06/16/06 23:01	103.3	99.9	107.6	104.7	☑
77	CCB 11	06/16/06 23:05	105.8	104.8	109.6	104.9	☑
78	H7HE6C	06/16/06 23:08	103.7	104.5	112.4	105.1	☑
79	H7HE6L	06/16/06 23:12	102.7	103.7	111.0	107.3	☑
80	Rinse	06/16/06 23:16	103.3	103.2	108.3	103.8	☑
81	H7HE6B	06/16/06 23:19	104.8	104.8	111.5	106.7	☑
82	H7F9C	06/16/06 23:23	106.6	107.8	113.7	107.8	☑
83	H7F9CP5	06/16/06 23:27	104.8	104.8	111.6	105.0	☐
84	H7F9CZ	06/16/06 23:30	103.3	104.1	113.2	106.0	☑
85	H7F9H	06/16/06 23:34	103.3	103.7	110.4	105.1	☑
86	CCV 12	06/16/06 23:37	102.5	99.7	108.5	102.4	☑
87	CCB 12	06/16/06 23:41	103.7	103.6	109.6	102.7	☑
88	H7F9L	06/16/06 23:45	106.0	106.4	113.8	105.7	☑
89	H7F9P	06/16/06 23:48	106.6	105.5	113.9	107.1	☑
90	H7F9R	06/16/06 23:52	105.7	105.6	113.7	105.4	☑
91	H7F9X	06/16/06 23:56	106.5	106.4	113.7	105.3	☑
92	H7F91	06/16/06 23:59	106.0	105.5	113.5	105.6	☑
93	H7F95	06/17/06 00:03	107.0	107.1	114.8	105.9	☑
94	H7F97	06/17/06 00:06	106.5	106.6	114.8	106.1	☑

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 06/20/06 13:49:38

File ID: **060616B1** **Analyst: votawb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
95	H7F98	06/17/06 00:10	107.3	107.9	115.5	108.1	☑
96	CCV 13	06/17/06 00:14	103.7	101.9	111.5	101.9	☑
97	CCB 13	06/17/06 00:17	106.0	104.4	112.0	104.4	☑
98	CCV 14	06/17/06 00:21	104.0	101.0	110.4	101.0	☑
99	CCB 14	06/17/06 00:25	104.8	103.9	109.2	103.5	☑
100	H7HGGC	06/17/06 00:28	103.7	104.0	114.4	104.2	☑
101	H7HGGL	06/17/06 00:32	102.7	103.4	112.7	105.2	☑
102	Rinse	06/17/06 00:36	103.4	103.4	111.4	103.9	☑
103	H7HGGB	06/17/06 00:39	104.1	104.7	113.8	103.8	☑
104	H7F78	06/17/06 00:43	104.9	104.2	112.2	104.4	☑
105	H7F78P5	06/17/06 00:47	105.9	104.3	111.5	103.0	☐
106	H7F78X	06/17/06 00:50	105.7	105.6	111.7	104.9	☑
107	H7F78Z	06/17/06 00:54	100.2	100.3	108.0	100.5	☑
108	H7F8P	06/17/06 00:57	104.2	103.0	109.1	103.8	☑
109	H7F8R	06/17/06 01:01	105.4	105.2	110.5	102.7	☑
110	CCV 15	06/17/06 01:05	103.1	99.8	108.1	100.0	☑
111	CCB 15	06/17/06 01:08	105.1	103.3	110.4	102.2	☑
112	H7F8V	06/17/06 01:12	105.6	104.4	111.2	103.1	☑
113	H7F81	06/17/06 01:16	106.1	105.1	110.4	105.4	☑
114	H7F82	06/17/06 01:19	106.5	105.3	110.7	105.9	☑
115	H7F83	06/17/06 01:23	106.1	105.8	110.5	104.9	☑
116	H7F84	06/17/06 01:26	106.0	105.4	110.1	103.0	☑
117	H7F86	06/17/06 01:30	107.0	105.9	111.8	105.1	☑
118	H7F87	06/17/06 01:34	106.8	105.6	111.0	104.7	☑
119	H7F88	06/17/06 01:37	106.6	105.3	110.5	105.1	☑
120	H7F89	06/17/06 01:41	106.6	105.0	110.9	105.8	☑
121	H7F9A	06/17/06 01:45	106.1	104.4	111.1	103.9	☑
122	CCV 16	06/17/06 01:48	104.7	102.4	109.3	103.0	☑
123	CCB 16	06/17/06 01:52	106.0	104.4	110.6	104.4	☑

STL SACRAMENTO - Elan 6000 ICPMS Perkin Elmer M01 Quantitative Method Report

File Name: 6160308.mth
File Path: C:\elandata\Method\6160308.mth

Timing Parameters

Sweeps/Reading: 50
Readings/Replicate: 1
Number of Replicates: 3
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
QC Enabled: Yes
Settling Time: Normal

Analyte	Mass	Scan Mode	MCA Channels	Dwell Time	Integration Time
Sc	44.956	Peak Hopping	1	14.0 ms	700 ms
Li-1	6.015	Peak Hopping	1	14.0 ms	700 ms
Be	9.012	Peak Hopping	1	14.0 ms	700 ms
Ca	43.956	Peak Hopping	1	14.0 ms	700 ms
V	50.944	Peak Hopping	1	14.0 ms	700 ms
Cr	51.941	Peak Hopping	1	14.0 ms	700 ms
Mn	54.938	Peak Hopping	1	14.0 ms	700 ms
Co	58.933	Peak Hopping	1	14.0 ms	700 ms
Ni	59.933	Peak Hopping	1	14.0 ms	700 ms
Cu	64.928	Peak Hopping	1	14.0 ms	700 ms
Zn	67.925	Peak Hopping	1	14.0 ms	700 ms
As	74.922	Peak Hopping	1	20.0 ms	1000 ms
Se	81.917	Peak Hopping	1	20.0 ms	1000 ms
Mo	96.906	Peak Hopping	1	14.0 ms	700 ms
Ge-1	71.922	Peak Hopping	1	14.0 ms	700 ms
Ag	106.905	Peak Hopping	1	14.0 ms	700 ms
Cd	110.904	Peak Hopping	1	14.0 ms	700 ms
Sb	120.904	Peak Hopping	1	14.0 ms	700 ms
Ba	134.906	Peak Hopping	1	14.0 ms	700 ms
In-1	114.904	Peak Hopping	1	14.0 ms	700 ms
Pb	207.977	Peak Hopping	1	14.0 ms	700 ms
Tm-1	168.934	Peak Hopping	1	14.0 ms	700 ms
Cr	49.946	Peak Hopping	1	5.0 ms	250 ms
Cr	52.941	Peak Hopping	1	5.0 ms	250 ms
Ni	60.931	Peak Hopping	1	5.0 ms	250 ms
Cu	62.930	Peak Hopping	1	5.0 ms	250 ms
Zn	66.927	Peak Hopping	1	5.0 ms	250 ms
Zn	65.926	Peak Hopping	1	5.0 ms	250 ms
Se	75.919	Peak Hopping	1	5.0 ms	250 ms
Se	76.920	Peak Hopping	1	20.0 ms	1000 ms
Se	77.917	Peak Hopping	1	20.0 ms	1000 ms
Br	78.918	Peak Hopping	1	20.0 ms	1000 ms
Ge	71.922	Peak Hopping	1	14.0 ms	700 ms
Cd	107.904	Peak Hopping	1	5.0 ms	250 ms
Cd	113.904	Peak Hopping	1	14.0 ms	700 ms
Ag	108.905	Peak Hopping	1	5.0 ms	250 ms
In	114.904	Peak Hopping	1	14.0 ms	700 ms
207.977	207.977	Peak Hopping	1	14.0 ms	700 ms
Pb	206.976	Peak Hopping	1	14.0 ms	700 ms

Pb	205.975	Peak Hopping	1	14.0 ms	700 ms
Tm	168.934	Peak Hopping	1	14.0 ms	700 ms
Pd	105.903	Peak Hopping	1	14.0 ms	700 ms
Kr	82.914	Peak Hopping	1	14.0 ms	700 ms

Signal Processing

Detector Mode:	Dual
Measurement Units:	Counts
AutoLens:	On
Spectral Peak Processing:	Average
Signal Profile Processing:	Average
Blank Subtraction:	After Internal Standard
Baseline Readings:	0
Smoothing:	Yes, Factor 5

Equations

Analyte	Mass	Corrections
V	50.944	-3.108 * Cr 53 + 0.3524 * Cr 52
Ni	59.933	-0.005 * Ca 43
Cu	64.928	-0.0078 * Ti 49
As	74.922	-3.1278 * Se 77 + 1.0177 * Se 78
Se	81.917	- 0.00324 * Br 79
Cd	110.904	-1.073 * Pd 108 + 0.712 * Pd 106
In-1	114.904	- 0.014032 * Sn 118
Pb	207.977	+ 1.0 * Pb 207 + 1.0 * Pb 206
Cr	49.946	- 0.739726 * Ti 47 - 0.002506 * V 51
Se	75.919	- 0.268980 * Ge 72
Se	77.917	- 0.030435 * Kr 83
Cd	107.904	- 1.184953 * Pd 105
Cd	113.904	- 0.026826 * Sn 118
In	114.904	- 0.014032 * Sn 118

Calibration Information

Analyte	Mass	Curve Type	Sample Units	Std Units	Std 1	Std 2	Std 3	Std 4
Sc	44.956	Linear Thru Zero	ug/L	ug/L				
Li-1	6.015	Linear Thru Zero	ug/L	ug/L				
Be	9.012	Linear Thru Zero	ug/L	ug/L	100			
Ca	43.956	Linear Thru Zero	ug/L	ug/L	5.1e+003			
V	50.944	Linear Thru Zero	ug/L	ug/L	100			
Cr	51.941	Linear Thru Zero	ug/L	ug/L	100			
Mn	54.938	Linear Thru Zero	ug/L	ug/L	100			
Co	58.933	Linear Thru Zero	ug/L	ug/L	100			
Ni	59.933	Linear Thru Zero	ug/L	ug/L	100			
Cu	64.928	Linear Thru Zero	ug/L	ug/L	100			
Zn	67.925	Linear Thru Zero	ug/L	ug/L	100			
As	74.922	Linear Thru Zero	ug/L	ug/L	100			
Se	81.917	Linear Thru Zero	ug/L	ug/L	100			
Mo	96.906	Linear Thru Zero	ug/L	ug/L	200			
Ge-1	71.922	Linear Thru Zero	ug/L	ug/L				
Ag	106.905	Linear Thru Zero	ug/L	ug/L	50			
Cd	110.904	Linear Thru Zero	ug/L	ug/L	100			
Sb	120.904	Linear Thru Zero	ug/L	ug/L	50			
Ba	134.906	Linear Thru Zero	ug/L	ug/L	100			
In-1	114.904	Linear Thru Zero	ug/L	ug/L				

Pb	207.977	Linear Thru Zero	ug/L	ug/L	100
Tm-1	168.934	Linear Thru Zero	ug/L	ug/L	
Cr	49.946	Linear Thru Zero	ug/L	ug/L	100
Cr	52.941	Linear Thru Zero	ug/L	ug/L	100
Ni	60.931	Linear Thru Zero	ug/L	ug/L	100
Cu	62.930	Linear Thru Zero	ug/L	ug/L	100
Zn	66.927	Linear Thru Zero	ug/L	ug/L	100
Zn	65.926	Linear Thru Zero	ug/L	ug/L	100
Se	75.919	Linear Thru Zero	ug/L	ug/L	100
Se	76.920	Linear Thru Zero	ug/L	ug/L	100
Se	77.917	Linear Thru Zero	ug/L	ug/L	100
Br	78.918	Linear Thru Zero	ug/L	ug/L	100
Ge	71.922	Linear Thru Zero	ug/L	ug/L	
Cd	107.904	Linear Thru Zero	ug/L	ug/L	100
Cd	113.904	Linear Thru Zero	ug/L	ug/L	100
Ag	108.905	Linear Thru Zero	ug/L	ug/L	50
In	114.904	Linear Thru Zero	ug/L	ug/L	
207.97	207.977	Linear Thru Zero	ug/L	ug/L	100
Pb	206.976	Linear Thru Zero	ug/L	ug/L	100
Pb	205.975	Linear Thru Zero	ug/L	ug/L	100
Tm	168.934	Linear Thru Zero	ug/L	ug/L	
Pd	105.903	Linear Thru Zero	ug/L	ug/L	100
Kr	82.914	Linear Thru Zero	ug/L	ug/L	100

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS, M01 – Methods 6020, 200.8

AIR TOX STANDARDS - 4 % HNO3, 0.5 % HCl

Standards for run:

Tuning standard: 2532-67B

Internal standard: 2532-68A

Blank, CCBs: 2531-23E

Standard 1, CCVs: 2532-68C

ICV: 2532-63D

ICSA: 2532-67D

ICSAB: 2532-67E

File Number: **060616B1**

Instrument Tuning Report - Elan 6000

File Name: default.tun

Sample Information

Sample Date/Time: Friday, June 16, 2006 11:50:53

Sample ID: TUNE BJONES

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	7.027	1550	0.736	2038	
Be	9.012	8.928	2050	0.725	2027	
Co	58.933	58.929	14285	0.733	1900	
In	114.904	114.878	27944	0.732	1864	
Ce	139.905	139.878	34027	0.725	1909	
Tl	204.975	204.979	49744	0.743	2127	
Pb	207.977	207.979	50452	0.717	2146	
U	238.050	238.076	57687	0.719	2307	

Elan 6000 Instrument Optomization Report

File Name c:\elandata\Optimize\default.dac
Path c:\elandata\Optimize

Sample Information

Sample Date/Time: Friday, June 16, 2006 11:50:53
Sample ID: TUNE BJONES

Parameter Settings

Nebulizer Gas Flow	0.9
Lens Voltage	5.8
ICP RF Power	1100.0
Analog Stage Voltage	-2000.0
Pulse Stage Voltage	1400.0
Discriminator Threshold	70.0
AC Rod Offset	-7.0
Service DAC 1	60.0
Quadrupole Rod Offset	0.0

AutoLens Calibration

Date:	11:55:02 Fri 16-Jun-06
Sample Filename:	AUTOLENS BJONES.002
Dataset Pathname:	060616A1\
Lens Voltage Start:	4.00 V
Lens Voltage End:	7.00 V
Lens Voltage Step:	0.25 V
Slope:	0.0094
Intercept:	5.4250

Analyte	Mass	Optimum Voltage	Maximum Intensity	# Points
Be	9.012	5.5 V	5144 cps	13
Co	58.933	6.0 V	283389 cps	13
In	114.904	6.5 V	506933 cps	13

Dual Detector Calibration

Date:	17:12:38 Thu 08-Jun-06
Sample Filename:	DUAL BJONES.752
Dataset Pathname:	c:\elandata\Dataset\dual detector calibration\
Points Acquired:	37
Lens Voltage Start:	-3.00 V
Lens Voltage End:	15.00 V
Lens Voltage Step:	0.50 V

Analyte	Mass	Gain	N(max)
Li	6.016	6887	1.82e+009 cps
Li	7.016	6412	1.95e+009 cps
Be	9.012	5988	2.09e+009 cps
B	11.009	6315	1.98e+009 cps
Na	22.990	6283	1.99e+009 cps

Report Date/Time: Friday, June 16, 2006 16:20:14
Page 1

Mg	23.985	5880 2.13e+009 cps
Mg	24.988	5606 2.23e+009 cps
Al	26.982	5476 2.29e+009 cps
P	30.995	5126 2.44e+009 cps
K	38.963	4982 2.51e+009 cps
Ca	42.959	4696 2.67e+009 cps
Ca	43.954	4905 2.55e+009 cps
Sc	44.957	4947 2.53e+009 cps
V	50.944	4866 2.57e+009 cps
Cr	51.943	4614 2.71e+009 cps
Fe	53.941	4573 2.74e+009 cps
Mn	54.940	4563 2.74e+009 cps
Fe	56.934	4410 2.84e+009 cps
Co	58.934	4308 2.91e+009 cps
Ni	59.934	4293 2.92e+009 cps
Cu	62.932	4198 2.98e+009 cps
Cu	64.927	4165 3.01e+009 cps
Zn	67.925	4247 2.95e+009 cps
Ge	71.922	4284 2.92e+009 cps
As	74.921	4219 2.97e+009 cps
Se	77.919	4286 2.92e+009 cps
Br	78.918	cps
Se	81.917	4161 3.01e+009 cps
Sr	87.905	4250 2.95e+009 cps
Mo	96.908	4211 2.97e+009 cps
Ag	106.906	3791 3.30e+009 cps
Ag	108.905	3773 3.32e+009 cps
Cd	110.904	3972 3.15e+009 cps
Cd	113.902	3951 3.17e+009 cps
In	114.903	3899 3.21e+009 cps
Sn	117.902	4019 3.11e+009 cps
Sb	120.902	3915 3.20e+009 cps
Ba	134.906	3868 3.24e+009 cps
Tm	168.932	3723 3.36e+009 cps
Tl	204.973	3584 3.49e+009 cps
Pb	207.979	3499 3.58e+009 cps
Bi	208.979	3544 3.53e+009 cps
U	238.050	3577 3.50e+009 cps

Daily Performance Report - Elan 6000

Sample ID: DAILY BJONES
Sample Date/Time: Friday, June 16, 2006 11:57:13
Sample Description:
Sample File: C:\elandata\Sample\6160308X.sam
Method File: C:\elandata\Method\000-DAILY_EPA.mth
Dataset File: C:\elandata\Dataset\060616A1\DAILY BJONES.003
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Number of Replicates: 5
Dual Detector Mode: Dual

Summary

	Analyte	Mass	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24	90013.515	545.693	0.606
	Rh	103	348027.543	3016.427	0.867
	Pb	208	163992.550	1822.291	1.111
⌈>	Ba	138	350134.534	1736.108	0.496
⌊	Ba++	69	0.032	0.000	1.192
⌈>	Ce	140	425255.484	2638.165	0.620
⌊	CeO	156	0.029	0.001	2.127
	Bkgd	220	5.429	0.639	11.769
	Li	7	17183.805	247.732	1.442
	Be	9	5038.158	120.206	2.386
	Co	59	265327.903	3485.506	1.314
	In	115	494760.415	4499.678	0.909
	Tl	205	242931.850	2649.836	1.091

Sample ID: H6LT9 n.i.
Sample Description: G6F020224-1 N.I.
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 16:33:26
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: C:\elandata\Dataset\060616B1\H6LT9 n.i..001
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 27
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6	Li			388.577	ug/L	0.000
45	Sc			17561.857	ug/L	0.000
69	Ga			3842.972	ug/L	0.000
72	Ge			1250.539	ug/L	0.000
89	Y			3060.375	ug/L	0.000
103	Rh			43.333	ug/L	0.000
115	In			878.509	ug/L	0.000
133	Cs			2197.336	ug/L	0.000
165	Ho			112.858	ug/L	0.000
169	Tm			348.100	ug/L	0.000
209	Bi			979.086	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	94.426
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	97.902
Ho	165	
Tm	169	
Bi	209	

Sample ID: H6LTF n.i.
Sample Description: G6F020219-1 N.I.
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 16:36:12
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: C:\elandata\Dataset\060616B1\H6LTF n.i..002
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 28
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6	Li			359.053	ug/L	0.000
45	Sc			16630.582	ug/L	0.000
69	Ga			3706.264	ug/L	0.000
72	Ge			1152.910	ug/L	0.000
89	Y			2334.027	ug/L	0.000
103	Rh			39.048	ug/L	0.000
115	In			568.119	ug/L	0.000
133	Cs			1750.123	ug/L	0.000
165	Ho			80.476	ug/L	0.000
169	Tm			255.717	ug/L	0.000
209	Bi			806.217	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	94.426
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	97.902
Ho	165	
Tm	169	
Bi	209	

Sample ID: H7F9C n.i.
Sample Description: G6F150200-1 N.I.
Batch ID: 6166429
Sample Date/Time: Friday, June 16, 2006 16:38:58
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: C:\elandata\Dataset\060616B1\H7F9C n.i..003
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 29
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6	Li			289.527	ug/L	0.000
45	Sc			13132.134	ug/L	0.000
69	Ga			1579.148	ug/L	0.000
72	Ge			954.322	ug/L	0.000
89	Y			70.000	ug/L	0.000
103	Rh			3.810	ug/L	0.000
115	In			510.170	ug/L	0.000
133	Cs			24.286	ug/L	0.000
165	Ho			5.714	ug/L	0.000
169	Tm			200.478	ug/L	0.000
209	Bi			380.958	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	94.426
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	97.902
Ho	165	
Tm	169	
Bi	209	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 QUANTITATIVE ANALYSIS REPORT

Sample ID: H7F78 n.i.
Sample Description: G6F150196-1 N.I.
Batch ID: 6166433
Sample Date/Time: Friday, June 16, 2006 16:41:45
Method File: C:\elandata\Method\000-LISCGEIN....mth
Dataset File: C:\elandata\Dataset\060616B1\H7F78 n.i..004
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 30
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6	Li			490.486	ug/L	0.000
45	Sc			31861.510	ug/L	0.000
69	Ga			47543.103	ug/L	0.000
72	Ge			4383.150	ug/L	0.000
89	Y			44245.311	ug/L	0.000
103	Rh			342.386	ug/L	0.000
115	In			964.401	ug/L	0.000
133	Cs			5636.510	ug/L	0.000
165	Ho			1578.671	ug/L	0.000
169	Tm			707.163	ug/L	0.000
209	Bi			13403.849	ug/L	0.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	94.426
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	97.902
Ho	165	
Tm	169	
Bi	209	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**

SOP No. SAC-MT-0001

BJones

Sample ID: Rinse 3X

Sample Description:

Batch ID:

Sample Date/Time: Friday, June 16, 2006 17:48:06

Method File: C:\elandata\Method\6160308.mth

Dataset File: C:\elandata\Dataset\060616B1\Rinse 3X.005

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1293915.660	ug/L	1303995.384
>	6	Li-1			391664.412	ug/L	401796.460
	9	Be	-0.009587	38.375	1.000	ug/L	3.667
	44	Ca	0.683484	66.379	21942.814	ug/L	21885.678
	51	V	0.151572	181.229	-42712.103	ug/L	-44980.013
	52	Cr	0.063329	78.783	37219.332	ug/L	36808.261
	55	Mn	-0.006007	59.919	2111.588	ug/L	2237.619
	59	Co	-0.000991	59.107	93.667	ug/L	108.667
	60	Ni	-0.070379	4.278	51.322	ug/L	268.822
	65	Cu	-0.000152	1389.331	67.047	ug/L	68.002
	68	Zn	0.098251	36.891	1837.860	ug/L	1752.842
	75	As	0.286252	99.426	17708.368	ug/L	17125.751
	82	Se	-0.312061	255.246	1155.598	ug/L	1240.645
	97	Mo	0.015591	72.079	192.335	ug/L	164.335
>	72	Ge-1			988058.825	ug/L	995901.238
	107	Ag	-0.002346	34.866	32.667	ug/L	56.334
	111	Cd	-0.001832	212.412	4.098	ug/L	8.330
	121	Sb	-0.000532	187.230	77.334	ug/L	81.667
	135	Ba	-0.006931	16.230	181.002	ug/L	196.002
>	115	In-1			1030257.454	ug/L	1035315.504
	208	Pb	-0.000275	679.097	424.337	ug/L	430.337
>	169	Tm-1			637516.113	ug/L	636245.719
	50	Cr	-0.119228	105.844	-1061.630	ug/L	-1041.751
	53	Cr	4.852006	65.804	179939.091	ug/L	175830.770
	61	Ni	0.355263	426.182	2275.162	ug/L	2275.496
	63	Cu	0.001010	387.924	71.667	ug/L	70.001
	67	Zn	3.870663	42.675	2416.269	ug/L	2088.698
	66	Zn	0.053666	131.048	635.731	ug/L	613.060
	76	Se	-3.948628	94.659	-125602.189	ug/L	-126424.480
	77	Se	-2.472177	3.005	15733.229	ug/L	16263.240
	78	Se	-0.467472	144.704	19288.615	ug/L	19723.901
	79	Br	758.336583	62.285	52718.007	ug/L	50339.867
>	72	Ge			988058.825	ug/L	995901.238
	108	Cd	0.000146	10915.948	4.383	ug/L	4.383
	114	Cd	-0.001613	102.052	22.313	ug/L	31.392

	109 Ag	-0.001858	57.278	15.667	ug/L	22.333
>	115 In			1030257.454	ug/L	1035315.504
	208 207.977	-0.000717	289.165	215.003	ug/L	223.336
	207 Pb	0.000555	207.782	100.001	ug/L	97.001
	206 Pb	-0.000116	2403.398	109.334	ug/L	110.001
>	169 Tm			637516.113	ug/L	636245.719
	106 Pd	-0.014063	21.651	3.333	ug/L	6.000
	83 Kr	119.192948	158.671	1127.385	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	97.478
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	99.213
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.511
	Pb	208	
>	Tm-1	169	100.200
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.213
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.511
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	100.200
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: Blank
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 17:52:32
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\Blank.006
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1303995.384	ug/L	
>	6	Li-1			401796.460	ug/L	
	9	Be			3.667	ug/L	
	44	Ca			21885.678	ug/L	
	51	V			-44980.013	ug/L	
	52	Cr			36808.261	ug/L	
	55	Mn			2237.619	ug/L	
	59	Co			108.667	ug/L	
	60	Ni			268.822	ug/L	
	65	Cu			68.002	ug/L	
	68	Zn			1752.842	ug/L	
	75	As			17125.751	ug/L	
	82	Se			1240.645	ug/L	
	97	Mo			164.335	ug/L	
>	72	Ge-1			995901.238	ug/L	
	107	Ag			56.334	ug/L	
	111	Cd			8.330	ug/L	
	121	Sb			81.667	ug/L	
	135	Ba			196.002	ug/L	
>	115	In-1			1035315.504	ug/L	
	208	Pb			430.337	ug/L	
>	169	Tm-1			636245.719	ug/L	
	50	Cr			-1041.751	ug/L	
	53	Cr			175830.770	ug/L	
	61	Ni			2275.496	ug/L	
	63	Cu			70.001	ug/L	
	67	Zn			2088.698	ug/L	
	66	Zn			613.060	ug/L	
	76	Se			-126424.480	ug/L	
	77	Se			16263.240	ug/L	
	78	Se			19723.901	ug/L	
	79	Br			50339.867	ug/L	
>	72	Ge			995901.238	ug/L	
	108	Cd			4.383	ug/L	
	114	Cd			31.392	ug/L	

	109 Ag	22.333	ug/L
->	115 In	1035315.504	ug/L
	208 207.977	223.336	ug/L
	207 Pb	97.001	ug/L
	206 Pb	110.001	ug/L
->	169 Tm	636245.719	ug/L
	106 Pd	6.000	ug/L
	83 Kr	1206.058	ug/L

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	
	Pb	208	
>	Tm-1	169	
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**

SOP No. SAC-MT-0001

BJones

Sample ID: Standard 1

Sample Description:

Batch ID:

Sample Date/Time: Friday, June 16, 2006 17:56:53

Method File: C:\elandata\Method\6160308.mth

Dataset File: C:\elandata\Dataset\060616B1\Standard 1.007

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

	Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45 Sc			1240954.882	ug/L	1303995.384
>	6 Li-1			385051.634	ug/L	401796.460
	9 Be	100.000000	0.903	26481.680	ug/L	3.667
	44 Ca	5100.000000	0.870	1683750.982	ug/L	21885.678
	51 V	100.000000	1.314	1176785.731	ug/L	-44980.013
	52 Cr	100.000000	0.569	1112375.329	ug/L	36808.261
	55 Mn	100.000000	0.591	1752822.283	ug/L	2237.619
	59 Co	100.000000	0.722	1388632.984	ug/L	108.667
	60 Ni	100.000000	0.808	297507.191	ug/L	268.822
	65 Cu	100.000000	0.561	275201.085	ug/L	68.002
	68 Zn	100.000000	0.166	99497.913	ug/L	1752.842
	75 As	100.000000	0.971	260666.506	ug/L	17125.751
	82 Se	100.000000	1.814	24457.495	ug/L	1240.645
	97 Mo	200.000000	1.305	364490.397	ug/L	164.335
>	72 Ge-1			959814.740	ug/L	995901.238
	107 Ag	50.000000	0.742	479313.493	ug/L	56.334
	111 Cd	100.000000	0.226	220070.711	ug/L	8.330
	121 Sb	50.000000	1.633	356594.122	ug/L	81.667
	135 Ba	100.000000	0.842	194965.914	ug/L	196.002
>	115 In-1			990655.793	ug/L	1035315.504
	208 Pb	100.000000	1.317	2397983.670	ug/L	430.337
>	169 Tm-1			637530.948	ug/L	636245.719
	50 Cr	100.000000	3.942	21876.658	ug/L	-1041.751
	53 Cr	100.000000	7.529	279595.127	ug/L	175830.770
	61 Ni	100.000000	0.874	6967.092	ug/L	2275.496
	63 Cu	100.000000	0.509	213570.163	ug/L	70.001
	67 Zn	100.000000	1.576	10653.804	ug/L	2088.698
	66 Zn	100.000000	0.189	50264.726	ug/L	613.060
	76 Se	100.000000	21.867	-117570.117	ug/L	-126424.480
	77 Se	100.000000	4.539	31473.606	ug/L	16263.240
	78 Se	100.000000	0.411	76983.529	ug/L	19723.901
	79 Br	100.000000	452.037	48884.867	ug/L	50339.867
>	72 Ge			959814.740	ug/L	995901.238
	108 Cd	100.000000	0.424	15224.940	ug/L	4.383
	114 Cd	100.000000	0.359	532831.595	ug/L	31.392

	109 Ag	50.000000	0.908	169798.731	ug/L	22.333
>	115 In			990655.793	ug/L	1035315.504
	208 207.977	100.000000	1.466	1205238.611	ug/L	223.336
	207 Pb	100.000000	2.168	510701.994	ug/L	97.001
	206 Pb	100.000000	0.579	682043.065	ug/L	110.001
>	169 Tm			637530.948	ug/L	636245.719
	106 Pd	100.000000	1.333	18968.206	ug/L	6.000
	83 Kr	100.000000	291.307	1140.053	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	
	Pb	208	
>	Tm-1	169	
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**

SOP No. SAC-MT-0001

BJones

Sample ID: ICV

Sample Description:

Batch ID:

Sample Date/Time: Friday, June 16, 2006 18:00:58

Method File: C:\elandata\Method\6160308.mth

Dataset File: C:\elandata\Dataset\060616B1\ICV .008

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 3

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45	Sc			1265994.391	ug/L	1303995.384
6	Li-1			397934.630	ug/L	401796.460
9	Be	80.922709	2.199	22147.335	ug/L	3.667
44	Ca	905.072892	1.106	317516.316	ug/L	21885.678
51	V	83.988133	0.239	985745.018	ug/L	-44980.013
52	Cr	85.205952	0.272	957158.011	ug/L	36808.261
55	Mn	82.394407	1.884	1450730.538	ug/L	2237.619
59	Co	83.052217	1.006	1158352.545	ug/L	108.667
60	Ni	83.219307	0.477	248700.828	ug/L	268.822
65	Cu	83.977180	0.383	232106.327	ug/L	68.002
68	Zn	83.209366	0.409	83432.555	ug/L	1752.842
75	As	80.251573	0.754	213372.966	ug/L	17125.751
82	Se	82.337141	0.588	20439.911	ug/L	1240.645
97	Mo	82.068610	0.911	150327.165	ug/L	164.335
72	Ge-1			963973.592	ug/L	995901.238
107	Ag	41.993728	1.049	408814.825	ug/L	56.334
111	Cd	81.947692	1.811	183130.673	ug/L	8.330
121	Sb	40.390779	1.042	292556.420	ug/L	81.667
135	Ba	80.746160	0.286	159910.730	ug/L	196.002
115	In-1			1006031.807	ug/L	1035315.504
208	Pb	84.223046	1.367	2020957.809	ug/L	430.337
169	Tm-1			637867.074	ug/L	636245.719
50	Cr	74.898564	0.799	16197.198	ug/L	-1041.751
53	Cr	84.613585	3.010	263745.106	ug/L	175830.770
61	Ni	82.440281	1.022	6155.056	ug/L	2275.496
63	Cu	84.051507	0.967	180292.296	ug/L	70.001
67	Zn	83.898470	0.869	9301.825	ug/L	2088.698
66	Zn	82.116868	1.350	41558.523	ug/L	613.060
76	Se	122.689683	12.187	-117106.448	ug/L	-126424.480
77	Se	82.558378	0.323	28837.226	ug/L	16263.240
78	Se	81.450606	1.420	66514.408	ug/L	19723.901
79	Br	1110.678852	14.016	52696.200	ug/L	50339.867
72	Ge			963973.592	ug/L	995901.238
108	Cd	78.511652	0.674	12139.555	ug/L	4.383
114	Cd	81.734579	0.548	442271.330	ug/L	31.392

	109 Ag	41.132533	0.783	141840.585	ug/L	22.333
->	115 In			1006031.807	ug/L	1035315.504
	208 207.977	84.795667	1.962	1022629.034	ug/L	223.336
	207 Pb	82.571386	1.581	422007.862	ug/L	97.001
	206 Pb	84.448031	0.301	576320.914	ug/L	110.001
->	169 Tm			637867.074	ug/L	636245.719
	106 Pd	82.974601	2.188	15739.815	ug/L	6.000
	83 Kr	104.546782	103.813	1137.052	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
->	Li-1	6	99.039
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
->	Ge-1	72	96.794
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
->	In-1	115	97.172
	Pb	208	
->	Tm-1	169	100.255
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
->	Ge	72	96.794
	Cd	108	
	Cd	114	
	Ag	109	
->	In	115	97.172
	207.977	208	
	Pb	207	
	Pb	206	
->	Tm	169	100.255
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**

SOP No. SAC-MT-0001

BJones

Sample ID: ICB

Sample Description:

Batch ID:

Sample Date/Time: Friday, June 16, 2006 18:05:09

Method File: C:\elandata\Method\6160308.mth

Dataset File: C:\elandata\Dataset\060616B1\ICB.009

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1281288.298	ug/L	1303995.384
>	6	Li-1			397871.010	ug/L	401796.460
	9	Be	-0.003529	118.940	2.667	ug/L	3.667
	44	Ca	2.621073	28.056	22157.689	ug/L	21885.678
	51	V	0.411890	39.799	-38692.480	ug/L	-44980.013
	52	Cr	0.261924	26.457	38661.241	ug/L	36808.261
	55	Mn	0.001534	135.620	2204.278	ug/L	2237.619
	59	Co	0.001779	25.413	130.668	ug/L	108.667
	60	Ni	0.002673	397.350	269.619	ug/L	268.822
	65	Cu	-0.000718	277.903	64.169	ug/L	68.002
	68	Zn	0.392897	53.391	2093.252	ug/L	1752.842
	75	As	0.080251	230.634	16861.017	ug/L	17125.751
	82	Se	-0.071752	828.486	1190.420	ug/L	1240.645
	97	Mo	0.106467	29.129	355.674	ug/L	164.335
>	72	Ge-1			969009.582	ug/L	995901.238
	107	Ag	0.014750	29.707	201.002	ug/L	56.334
	111	Cd	0.001694	119.934	12.044	ug/L	8.330
	121	Sb	0.148171	14.957	1167.746	ug/L	81.667
	135	Ba	-0.000469	907.680	192.002	ug/L	196.002
>	115	In-1			1019205.420	ug/L	1035315.504
	208	Pb	0.007419	13.834	608.008	ug/L	430.337
>	169	Tm-1			636212.893	ug/L	636245.719
	50	Cr	0.267157	36.046	-951.907	ug/L	-1041.751
	53	Cr	-10.016890	30.321	159949.754	ug/L	175830.770
	61	Ni	0.942183	191.063	2259.484	ug/L	2275.496
	63	Cu	0.001036	367.014	70.334	ug/L	70.001
	67	Zn	1.576092	81.111	2169.754	ug/L	2088.698
	66	Zn	0.353635	55.008	773.763	ug/L	613.060
	76	Se	10.607539	136.401	-122553.759	ug/L	-126424.480
	77	Se	-7.447630	17.422	14636.565	ug/L	16263.240
	78	Se	-0.391061	10.895	18962.388	ug/L	19723.901
	79	Br	-118.137140	258.796	48555.485	ug/L	50339.867
>	72	Ge			969009.582	ug/L	995901.238
	108	Cd	0.014803	83.327	6.630	ug/L	4.383
	114	Cd	-0.000130	1587.234	30.208	ug/L	31.392

	109 Ag	0.012790	5.235	66.667	ug/L	22.333
>	115 In			1019205.420	ug/L	1035315.504
	208 207.977	0.007708	5.009	316.006	ug/L	223.336
	207 Pb	0.006856	28.598	132.001	ug/L	97.001
	206 Pb	0.007331	43.377	160.001	ug/L	110.001
>	169 Tm			636212.893	ug/L	636245.719
	106 Pd	-0.001758	754.984	5.667	ug/L	6.000
	83 Kr	-0.000534	1191642.702	1206.059	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	99.023
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	97.300
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.444
	Pb	208	
>	Tm-1	169	99.995
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	97.300
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.444
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.995
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**

SOP No. SAC-MT-0001

BJones

Sample ID: ICSA

Sample Description:

Batch ID:

Sample Date/Time: Friday, June 16, 2006 18:09:19

Method File: C:\elandata\Method\6160308.mth

Dataset File: C:\elandata\Dataset\060616B1\ICSA.010

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 2

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1069106.616	ug/L	1303995.384
>	6	Li-1			308810.904	ug/L	401796.460
	9	Be	0.037027	58.254	10.667	ug/L	3.667
	44	Ca	99181.981360	1.530	28437846.949	ug/L	21885.678
	51	V	1.130154	13.315	-25980.043	ug/L	-44980.013
	52	Cr	1.541787	4.049	45770.747	ug/L	36808.261
	55	Mn	2.395654	0.339	38755.974	ug/L	2237.619
	59	Co	1.689137	0.229	20706.137	ug/L	108.667
	60	Ni	1.920778	9.903	5245.793	ug/L	268.822
	65	Cu	0.786707	9.041	1959.922	ug/L	68.002
	68	Zn	4.088237	0.726	4999.094	ug/L	1752.842
	75	As	-0.160629	178.559	14161.546	ug/L	17125.751
	82	Se	0.608207	26.405	1175.245	ug/L	1240.645
	97	Mo	1999.600264	0.633	3201950.572	ug/L	164.335
>	72	Ge-1			843578.186	ug/L	995901.238
	107	Ag	0.263908	1.644	2226.283	ug/L	56.334
	111	Cd	0.702855	9.021	1339.896	ug/L	8.330
	121	Sb	2.323414	1.505	14343.414	ug/L	81.667
	135	Ba	0.813082	3.846	1526.133	ug/L	196.002
>	115	In-1			853662.595	ug/L	1035315.504
	208	Pb	1.027698	0.406	19773.357	ug/L	430.337
>	169	Tm-1			502733.371	ug/L	636245.719
	50	Cr	192.013708	9.996	37718.903	ug/L	-1041.751
	53	Cr	-29.228613	6.186	120661.706	ug/L	175830.770
	61	Ni	29.207096	4.916	3152.923	ug/L	2275.496
	63	Cu	5.426793	2.939	10242.100	ug/L	70.001
	67	Zn	23.253949	3.189	3534.999	ug/L	2088.698
	66	Zn	10.022190	2.353	4894.832	ug/L	613.060
	76	Se	-186.721932	10.386	-114098.293	ug/L	-126424.480
	77	Se	12.197431	15.192	15468.901	ug/L	16263.240
	78	Se	0.348598	82.707	16884.737	ug/L	19723.901
	79	Br	1319258.354205	0.810	4166470.303	ug/L	50339.867
>	72	Ge			843578.186	ug/L	995901.238
	108	Cd	83.416365	0.787	10944.235	ug/L	4.383
	114	Cd	4.677619	2.118	21501.751	ug/L	31.392

	109 Ag	0.236137	4.700	709.414	ug/L	22.333
->	115 In			853662.595	ug/L	1035315.504
	208 207.977	1.071859	0.791	10363.801	ug/L	223.336
	207 Pb	1.029289	1.379	4222.352	ug/L	97.001
	206 Pb	0.948460	1.383	5187.204	ug/L	110.001
->	169 Tm			502733.371	ug/L	636245.719
	106 Pd	0.509789	6.731	102.667	ug/L	6.000
	83 Kr	-531.833209	22.125	1557.097	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
->	Li-1	6	76.858
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
->	Ge-1	72	84.705
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
->	In-1	115	82.454
	Pb	208	
->	Tm-1	169	79.016
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
->	Ge	72	84.705
	Cd	108	
	Cd	114	
	Ag	109	
->	In	115	82.454
	207.977	208	
	Pb	207	
	Pb	206	
->	Tm	169	79.016
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: ICSAB
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 18:13:27
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\ICSAB.011
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45 Sc			1100387.424	ug/L	1303995.384
>	6 Li-1			313085.809	ug/L	401796.460
	9 Be	95.068559	2.504	20460.896	ug/L	3.667
	44 Ca	103399.992294	1.691	29370549.126	ug/L	21885.678
	51 V	102.291119	0.942	1049099.452	ug/L	-44980.013
	52 Cr	102.437410	1.130	991346.135	ug/L	36808.261
	55 Mn	102.496570	0.724	1564242.674	ug/L	2237.619
	59 Co	101.068234	0.767	1222026.635	ug/L	108.667
	60 Ni	97.364630	0.663	252221.188	ug/L	268.822
	65 Cu	95.773191	0.592	229485.106	ug/L	68.002
	68 Zn	98.629170	0.484	85466.046	ug/L	1752.842
	75 As	100.709912	0.690	228485.235	ug/L	17125.751
	82 Se	112.559802	0.677	23842.602	ug/L	1240.645
	97 Mo	2113.047956	0.915	3352040.190	ug/L	164.335
>	72 Ge-1			835747.262	ug/L	995901.238
	107 Ag	48.037604	2.086	396775.456	ug/L	56.334
	111 Cd	100.244890	2.339	190064.723	ug/L	8.330
	121 Sb	54.121651	2.043	332586.727	ug/L	81.667
	135 Ba	100.624731	2.902	169018.345	ug/L	196.002
>	115 In-1			853738.222	ug/L	1035315.504
	208 Pb	101.564151	2.176	1900767.798	ug/L	430.337
>	169 Tm-1			497567.455	ug/L	636245.719
	50 Cr	195.652618	23.731	38044.101	ug/L	-1041.751
	53 Cr	94.039076	5.746	237652.816	ug/L	175830.770
	61 Ni	128.790148	2.536	7262.765	ug/L	2275.496
	63 Cu	100.657406	0.835	187169.631	ug/L	70.001
	67 Zn	121.284419	2.035	10875.894	ug/L	2088.698
	66 Zn	107.724615	0.598	47107.409	ug/L	613.060
	76 Se	-61.948194	31.359	-108393.921	ug/L	-126424.480
	77 Se	126.417232	2.668	31030.134	ug/L	16263.240
	78 Se	105.616196	0.814	69867.465	ug/L	19723.901
	79 Br	11079.112977	20.427	76519.919	ug/L	50339.867
>	72 Ge			835747.262	ug/L	995901.238
	108 Cd	178.469430	2.812	23406.513	ug/L	4.383
	114 Cd	103.943278	1.957	477186.947	ug/L	31.392

	109 Ag	47.695647	2.062	139542.848	ug/L	22.333
>	115 In			853738.222	ug/L	1035315.504
	208 207.977	102.794505	2.142	966930.172	ug/L	223.336
	207 Pb	100.814375	1.718	401884.958	ug/L	97.001
	206 Pb	99.951278	2.743	531952.668	ug/L	110.001
>	169 Tm			497567.455	ug/L	636245.719
	106 Pd	85.103740	1.282	16143.547	ug/L	6.000
	83 Kr	-538.400121	48.895	1561.432	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	77.921
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	83.919
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	82.462
	Pb	208	
>	Tm-1	169	78.204
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	83.919
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	82.462
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	78.204
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: Rinse
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 18:44:20
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\Rinse.012
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45 Sc			1241007.169	ug/L	1303995.384
>	6 Li-1			373689.337	ug/L	401796.460
	9 Be	-0.002813	171.436	2.667	ug/L	3.667
	44 Ca	-1.409730	179.948	20554.790	ug/L	21885.678
	51 V	-0.128617	175.283	-44803.341	ug/L	-44980.013
	52 Cr	0.045015	247.047	35825.201	ug/L	36808.261
	55 Mn	-0.006936	70.878	2027.902	ug/L	2237.619
	59 Co	-0.000077	224.185	103.334	ug/L	108.667
	60 Ni	-0.070189	3.817	50.207	ug/L	268.822
	65 Cu	0.000372	466.435	66.294	ug/L	68.002
	68 Zn	0.050162	133.159	1732.172	ug/L	1752.842
	75 As	0.287179	42.115	17152.500	ug/L	17125.751
	82 Se	-0.359154	99.878	1108.380	ug/L	1240.645
	97 Mo	0.007010	58.755	170.668	ug/L	164.335
>	72 Ge-1			956622.169	ug/L	995901.238
	107 Ag	-0.000504	47.947	50.000	ug/L	56.334
	111 Cd	0.000396	395.442	9.070	ug/L	8.330
	121 Sb	-0.000079	660.191	79.000	ug/L	81.667
	135 Ba	-0.006814	67.667	177.668	ug/L	196.002
>	115 In-1			1009182.071	ug/L	1035315.504
	208 Pb	-0.003586	36.870	344.003	ug/L	430.337
>	169 Tm-1			634374.194	ug/L	636245.719
	50 Cr	-0.237682	51.057	-1054.551	ug/L	-1041.751
	53 Cr	8.764236	67.899	178431.671	ug/L	175830.770
	61 Ni	-0.253659	1000.548	2172.422	ug/L	2275.496
	63 Cu	-0.005661	133.609	55.001	ug/L	70.001
	67 Zn	4.612890	42.797	2401.591	ug/L	2088.698
	66 Zn	-0.058282	103.698	560.384	ug/L	613.060
	76 Se	6.395684	123.766	-121162.476	ug/L	-126424.480
	77 Se	-4.561514	57.815	14898.874	ug/L	16263.240
	78 Se	-0.143720	215.172	18860.788	ug/L	19723.901
	79 Br	1139.229058	44.620	52372.176	ug/L	50339.867
>	72 Ge			956622.169	ug/L	995901.238
	108 Cd	-0.013289	34.438	2.199	ug/L	4.383
	114 Cd	-0.001683	31.584	21.430	ug/L	31.392

	109 Ag	-0.001107	101.353	18.000	ug/L	22.333
->	115 In			1009182.071	ug/L	1035315.504
	208 207.977	-0.003717	43.295	178.335	ug/L	223.336
	207 Pb	-0.005285	29.085	70.000	ug/L	97.001
	206 Pb	-0.002083	51.788	95.667	ug/L	110.001
->	169 Tm			634374.194	ug/L	636245.719
	106 Pd	0.00(2273315856.540		6.000	ug/L	6.000
	83 Kr	127.274324	66.144	1122.050	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	93.005
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	96.056
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	97.476
	Pb	208	
>	Tm-1	169	99.706
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	96.056
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	97.476
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.706
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: FB
Sample Description: FB-F1815158
Batch ID: 6160308
Sample Date/Time: Friday, June 16, 2006 18:48:31
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\FB.013
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 18
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1319038.742	ug/L	1303995.384
>	6	Li-1			404254.752	ug/L	401796.460
	9	Be	-0.006066	59.641	2.000	ug/L	3.667
	44	Ca	235.096439	1.512	101146.268	ug/L	21885.678
	51	V	2.550465	10.393	-12640.970	ug/L	-44980.013
	52	Cr	0.409277	17.013	41270.778	ug/L	36808.261
	55	Mn	0.655590	2.667	14108.367	ug/L	2237.619
	59	Co	1.557351	0.883	22488.198	ug/L	108.667
	60	Ni	0.359551	8.176	1373.893	ug/L	268.822
	65	Cu	0.268999	4.804	833.883	ug/L	68.002
	68	Zn	1.457576	13.961	3222.928	ug/L	1752.842
	75	As	0.621590	20.032	18653.388	ug/L	17125.751
	82	Se	0.002895	23188.749	1238.853	ug/L	1240.645
	97	Mo	0.101497	10.352	355.341	ug/L	164.335
>	72	Ge-1			993324.019	ug/L	995901.238
	107	Ag	-0.000081	1549.600	55.667	ug/L	56.334
	111	Cd	0.002108	137.647	13.193	ug/L	8.330
	121	Sb	0.007297	14.371	136.334	ug/L	81.667
	135	Ba	0.398033	4.406	1008.391	ug/L	196.002
>	115	In-1			1037506.002	ug/L	1035315.504
	208	Pb	0.208650	4.717	5502.336	ug/L	430.337
>	169	Tm-1			645762.465	ug/L	636245.719
	50	Cr	3.849042	2.028	-127.995	ug/L	-1041.751
	53	Cr	-88.713989	4.573	74312.997	ug/L	175830.770
	61	Ni	0.549807	199.668	2296.510	ug/L	2275.496
	63	Cu	0.267136	5.249	660.070	ug/L	70.001
	67	Zn	-7.044934	23.890	1453.340	ug/L	2088.698
	66	Zn	1.562012	15.163	1413.988	ug/L	613.060
	76	Se	16.989980	74.735	-125348.934	ug/L	-126424.480
	77	Se	-68.124524	1.299	5085.701	ug/L	16263.240
	78	Se	-0.002714	2761.715	19671.384	ug/L	19723.901
	79	Br	-7305.576082	4.693	23318.103	ug/L	50339.867
>	72	Ge			993324.019	ug/L	995901.238
	108	Cd	0.174193	26.534	32.151	ug/L	4.383
	114	Cd	-0.000078	611.781	31.019	ug/L	31.392

	109 Ag	-0.001422	73.721	17.333	ug/L	22.333
->	115 In			1037506.002	ug/L	1035315.504
	208 207.977	0.215762	4.050	2859.467	ug/L	223.336
	207 Pb	0.212096	6.685	1195.082	ug/L	97.001
	206 Pb	0.193500	4.791	1447.787	ug/L	110.001
->	169 Tm			645762.465	ug/L	636245.719
	106 Pd	0.351578	17.255	72.667	ug/L	6.000
	83 Kr	-5.051325	4877.499	1209.393	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
->	Li-1	6	100.612
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
->	Ge-1	72	99.741
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
->	In-1	115	100.212
	Pb	208	
->	Tm-1	169	101.496
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
->	Ge	72	99.741
	Cd	108	
	Cd	114	
	Ag	109	
->	In	115	100.212
	207.977	208	
	Pb	207	
	Pb	206	
->	Tm	169	101.496
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**

SOP No. SAC-MT-0001

BJones

Sample ID: FB

Sample Description: FB-F1815158
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 18:52:42
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\FB.014
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 19
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45	Sc			1316603.753	ug/L	1303995.384
6	Li-1			405927.427	ug/L	401796.460
9	Be	-0.003708	148.858	2.667	ug/L	3.667
44	Ca	288.064452	1.502	119406.906	ug/L	21885.678
51	V	2.683243	4.032	-11028.710	ug/L	-44980.013
52	Cr	0.460530	7.567	41988.539	ug/L	36808.261
55	Mn	1.173144	0.859	23563.353	ug/L	2237.619
59	Co	1.400232	1.490	20295.512	ug/L	108.667
60	Ni	0.400579	2.281	1505.684	ug/L	268.822
65	Cu	0.549657	3.098	1638.677	ug/L	68.002
68	Zn	1.240674	4.297	3014.519	ug/L	1752.842
75	As	0.638912	38.361	18753.090	ug/L	17125.751
82	Se	-0.077655	533.010	1222.333	ug/L	1240.645
97	Mo	0.105054	9.682	363.008	ug/L	164.335
72	Ge-1			996651.033	ug/L	995901.238
107	Ag	-0.000524	191.652	51.333	ug/L	56.334
111	Cd	0.001270	221.556	11.369	ug/L	8.330
121	Sb	0.007054	27.611	135.001	ug/L	81.667
135	Ba	0.363582	2.773	941.384	ug/L	196.002
115	In-1			1041312.432	ug/L	1035315.504
208	Pb	0.289685	1.705	7327.181	ug/L	430.337
169	Tm-1			633295.525	ug/L	636245.719
50	Cr	3.780237	7.849	-145.282	ug/L	-1041.751
53	Cr	-88.054697	4.946	75359.415	ug/L	175830.770
61	Ni	2.442581	52.348	2398.254	ug/L	2275.496
63	Cu	0.575055	2.228	1344.956	ug/L	70.001
67	Zn	-7.120565	19.021	1452.006	ug/L	2088.698
66	Zn	1.534530	4.570	1405.316	ug/L	613.060
76	Se	23.766791	156.344	-125481.966	ug/L	-126424.480
77	Se	-67.590393	1.601	5192.080	ug/L	16263.240
78	Se	0.012402	6057.475	19741.741	ug/L	19723.901
79	Br	-7787.397277	4.002	21625.742	ug/L	50339.867
72	Ge			996651.033	ug/L	995901.238
108	Cd	0.156701	29.843	29.484	ug/L	4.383
114	Cd	-0.000192	164.583	30.502	ug/L	31.392

	109 Ag	-0.001526	81.760	17.000	ug/L	22.333
->	115 In			1041312.432	ug/L	1035315.504
	208 207.977	0.298548	3.306	3795.156	ug/L	223.336
	207 Pb	0.303293	1.513	1635.153	ug/L	97.001
	206 Pb	0.263831	0.673	1896.872	ug/L	110.001
->	169 Tm			633295.525	ug/L	636245.719
	106 Pd	0.284778	14.815	60.000	ug/L	6.000
	83 Kr	57.071633	150.306	1168.388	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
->	Li-1	6	101.028
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
->	Ge-1	72	100.075
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
->	In-1	115	100.579
	Pb	208	
->	Tm-1	169	99.536
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
->	Ge	72	100.075
	Cd	108	
	Cd	114	
	Ag	109	
->	In	115	100.579
	207.977	208	
	Pb	207	
	Pb	206	
->	Tm	169	99.536
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: CCV 1
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 18:56:53
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 1.015
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1217477.599	ug/L	1303995.384
>	6	Li-1			374028.645	ug/L	401796.460
	9	Be	99.925959	0.608	25704.701	ug/L	3.667
	44	Ca	5088.026651	0.650	1652603.759	ug/L	21885.678
	51	V	101.159714	0.578	1171667.703	ug/L	-44980.013
	52	Cr	101.648209	1.951	1111769.106	ug/L	36808.261
	55	Mn	100.291274	0.721	1729323.956	ug/L	2237.619
	59	Co	100.567352	0.964	1373871.504	ug/L	108.667
	60	Ni	99.928543	0.985	292472.459	ug/L	268.822
	65	Cu	100.585203	1.078	272301.429	ug/L	68.002
	68	Zn	99.818217	0.810	97706.215	ug/L	1752.842
	75	As	100.353288	0.866	257297.887	ug/L	17125.751
	82	Se	101.762078	1.563	24466.266	ug/L	1240.645
	97	Mo	202.818552	0.192	363650.579	ug/L	164.335
>	72	Ge-1			944205.958	ug/L	995901.238
	107	Ag	50.825765	1.903	482578.677	ug/L	56.334
	111	Cd	101.122233	1.625	220418.372	ug/L	8.330
	121	Sb	50.375505	0.473	355889.561	ug/L	81.667
	135	Ba	100.734184	1.920	194530.074	ug/L	196.002
>	115	In-1			981239.478	ug/L	1035315.504
	208	Pb	103.047577	1.162	2407214.899	ug/L	430.337
>	169	Tm-1			620993.271	ug/L	636245.719
	50	Cr	104.089793	1.720	22432.810	ug/L	-1041.751
	53	Cr	97.386788	7.878	272183.707	ug/L	175830.770
	61	Ni	102.966014	0.936	6993.150	ug/L	2275.496
	63	Cu	100.834624	0.927	211848.671	ug/L	70.001
	67	Zn	99.516534	3.308	10439.420	ug/L	2088.698
	66	Zn	100.346875	1.126	49619.235	ug/L	613.060
	76	Se	118.953848	31.194	-114860.870	ug/L	-126424.480
	77	Se	96.895452	3.412	30475.451	ug/L	16263.240
	78	Se	99.961901	1.717	75715.133	ug/L	19723.901
	79	Br	-60.760928	563.401	47518.875	ug/L	50339.867
>	72	Ge			944205.958	ug/L	995901.238
	108	Cd	101.916731	1.731	15369.685	ug/L	4.383
	114	Cd	101.208413	1.870	534107.128	ug/L	31.392

	109 Ag	49.673023	2.579	167069.354	ug/L	22.333
>	115 In			981239.478	ug/L	1035315.504
	208 207.977	103.563285	1.555	1215944.491	ug/L	223.336
	207 Pb	102.898638	0.786	511995.018	ug/L	97.001
	206 Pb	102.247714	0.867	679275.390	ug/L	110.001
>	169 Tm			620993.271	ug/L	636245.719
	106 Pd	98.828477	0.593	18746.060	ug/L	6.000
	83 Kr	97.475382	223.540	1141.719	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	93.089
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	94.809
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	94.777
	Pb	208	
>	Tm-1	169	97.603
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	94.809
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	94.777
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	97.603
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 1

Sample Description:

Batch ID:

Sample Date/Time: Friday, June 16, 2006 19:01:04

Method File: c:\elandata\Method\6160308.mth

Dataset File: C:\elandata\Dataset\060616B1\CCB 1.016

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1240008.212	ug/L	1303995.384
>	6	Li-1			382823.947	ug/L	401796.460
	9	Be	-0.004360	136.548	2.333	ug/L	3.667
	44	Ca	-1.375460	101.106	20712.157	ug/L	21885.678
	51	V	0.614434	24.943	-35968.221	ug/L	-44980.013
	52	Cr	-0.076247	38.838	34768.943	ug/L	36808.261
	55	Mn	-0.003008	104.857	2110.921	ug/L	2237.619
	59	Co	0.001190	68.172	121.668	ug/L	108.667
	60	Ni	0.002439	141.776	267.204	ug/L	268.822
	65	Cu	0.007523	79.424	86.476	ug/L	68.002
	68	Zn	-0.076795	91.851	1619.817	ug/L	1752.842
	75	As	0.309441	77.170	17320.037	ug/L	17125.751
	82	Se	-0.178004	312.981	1157.808	ug/L	1240.645
	97	Mo	0.185036	26.502	497.014	ug/L	164.335
>	72	Ge-1			963038.016	ug/L	995901.238
	107	Ag	0.011014	13.817	162.002	ug/L	56.334
	111	Cd	0.003145	105.350	15.096	ug/L	8.330
	121	Sb	0.170161	19.223	1310.767	ug/L	81.667
	135	Ba	-0.011453	39.680	168.002	ug/L	196.002
>	115	In-1			1006828.816	ug/L	1035315.504
	208	Pb	0.004140	22.608	524.673	ug/L	430.337
>	169	Tm-1			630700.480	ug/L	636245.719
	50	Cr	0.446180	11.501	-904.993	ug/L	-1041.751
	53	Cr	-15.061458	17.498	153386.601	ug/L	175830.770
	61	Ni	-1.113830	18.268	2147.071	ug/L	2275.496
	63	Cu	-0.004671	69.985	57.667	ug/L	70.001
	67	Zn	0.873113	71.802	2095.369	ug/L	2088.698
	66	Zn	-0.100595	57.929	542.714	ug/L	613.060
	76	Se	17.083157	33.288	-121519.912	ug/L	-126424.480
	77	Se	-16.276153	8.923	13146.911	ug/L	16263.240
	78	Se	-0.743622	5.458	18640.412	ug/L	19723.901
	79	Br	-96.111753	483.875	48331.649	ug/L	50339.867
>	72	Ge			963038.016	ug/L	995901.238
	108	Cd	-0.008712	330.493	2.927	ug/L	4.383
	114	Cd	0.001067	112.902	36.315	ug/L	31.392

	109 Ag	0.009954	25.210	56.001	ug/L	22.333
>	115 In			1006828.816	ug/L	1035315.504
	208 207.977	0.003636	25.275	264.671	ug/L	223.336
	207 Pb	0.003069	108.269	111.667	ug/L	97.001
	206 Pb	0.005835	35.189	148.335	ug/L	110.001
>	169 Tm			630700.480	ug/L	636245.719
	106 Pd	-0.007032	114.564	4.667	ug/L	6.000
	83 Kr	58.586504	265.767	1167.388	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	95.278
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	96.700
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	97.249
	Pb	208	
>	Tm-1	169	99.128
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	96.700
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	97.249
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.128
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: CCV 2
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 19:05:15
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 2.017
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1223238.665	ug/L	1303995.384
6 Li-1			385069.944	ug/L	401796.460
9 Be	98.318985	1.386	26035.343	ug/L	3.667
44 Ca	5040.532577	1.687	1647280.754	ug/L	21885.678
51 V	100.538248	2.609	1171164.991	ug/L	-44980.013
52 Cr	100.750619	2.738	1108779.977	ug/L	36808.261
55 Mn	99.387787	1.834	1724122.746	ug/L	2237.619
59 Co	99.528888	2.211	1367840.124	ug/L	108.667
60 Ni	99.236217	1.896	292197.257	ug/L	268.822
65 Cu	99.785667	2.241	271757.364	ug/L	68.002
68 Zn	99.255456	2.144	97746.951	ug/L	1752.842
75 As	99.692696	2.288	257240.770	ug/L	17125.751
82 Se	99.733787	2.516	24146.111	ug/L	1240.645
97 Mo	201.059910	1.711	362686.814	ug/L	164.335
72 Ge-1			950094.327	ug/L	995901.238
107 Ag	50.109801	2.432	477082.301	ug/L	56.334
111 Cd	99.977675	1.637	218509.559	ug/L	8.330
121 Sb	50.231149	0.499	355837.739	ug/L	81.667
135 Ba	100.274818	1.647	194165.116	ug/L	196.002
115 In-1			983942.807	ug/L	1035315.504
208 Pb	101.615204	2.746	2403770.545	ug/L	430.337
169 Tm-1			629025.132	ug/L	636245.719
50 Cr	101.741941	4.815	22031.041	ug/L	-1041.751
53 Cr	90.324874	8.195	266089.042	ug/L	175830.770
61 Ni	100.040381	2.907	6896.936	ug/L	2275.496
63 Cu	100.281796	1.546	211959.872	ug/L	70.001
67 Zn	96.866153	2.886	10274.531	ug/L	2088.698
66 Zn	99.524594	1.851	49512.830	ug/L	613.060
76 Se	104.001742	50.161	-116234.739	ug/L	-126424.480
77 Se	92.633738	5.846	29988.600	ug/L	16263.240
78 Se	99.069795	1.730	75661.366	ug/L	19723.901
79 Br	-474.142364	94.055	46341.774	ug/L	50339.867
72 Ge			950094.327	ug/L	995901.238
108 Cd	101.189738	1.703	15300.525	ug/L	4.383
114 Cd	99.460930	0.998	526342.785	ug/L	31.392

	109 Ag	49.136231	1.459	165710.977	ug/L	22.333
>	115 In			983942.807	ug/L	1035315.504
	208 207.977	102.345029	4.145	1216624.931	ug/L	223.336
	207 Pb	101.446615	2.762	511139.717	ug/L	97.001
	206 Pb	100.451647	0.474	676005.896	ug/L	110.001
>	169 Tm			629025.132	ug/L	636245.719
	106 Pd	97.928291	1.283	18575.365	ug/L	6.000
	83 Kr	11.110193	2535.000	1198.725	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	95.837
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	95.400
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	95.038
	Pb	208	
>	Tm-1	169	98.865
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	95.400
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	95.038
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	98.865
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 2

Sample Description:

Batch ID:

Sample Date/Time: Friday, June 16, 2006 19:09:26

Method File: c:\elandata\Method\6160308.mth

Dataset File: C:\elandata\Dataset\060616B1\CCB 2.018

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1238222.163	ug/L	1303995.384
>	6	Li-1			385455.546	ug/L	401796.460
	9	Be	0.001793	200.412	4.000	ug/L	3.667
	44	Ca	-0.372733	272.007	21000.842	ug/L	21885.678
	51	V	0.537844	19.397	-36847.639	ug/L	-44980.013
	52	Cr	-0.076307	30.859	34702.347	ug/L	36808.261
	55	Mn	-0.002745	115.152	2111.588	ug/L	2237.619
	59	Co	0.002718	52.366	142.668	ug/L	108.667
	60	Ni	-0.011941	45.939	223.830	ug/L	268.822
	65	Cu	0.004753	71.330	78.686	ug/L	68.002
	68	Zn	0.056677	221.448	1747.175	ug/L	1752.842
	75	As	0.225713	61.534	17082.966	ug/L	17125.751
	82	Se	-0.189425	288.236	1152.786	ug/L	1240.645
	97	Mo	0.212585	31.103	546.351	ug/L	164.335
>	72	Ge-1			961213.538	ug/L	995901.238
	107	Ag	0.014786	22.835	200.669	ug/L	56.334
	111	Cd	0.004262	38.581	17.803	ug/L	8.330
	121	Sb	0.186452	10.448	1443.120	ug/L	81.667
	135	Ba	0.001768	517.842	195.669	ug/L	196.002
>	115	In-1			1015376.642	ug/L	1035315.504
	208	Pb	0.006147	38.595	572.007	ug/L	430.337
>	169	Tm-1			630009.948	ug/L	636245.719
	50	Cr	0.478361	37.014	-895.875	ug/L	-1041.751
	53	Cr	-16.742773	11.072	151249.546	ug/L	175830.770
	61	Ni	-0.980680	150.522	2149.740	ug/L	2275.496
	63	Cu	-0.010704	29.431	44.667	ug/L	70.001
	67	Zn	0.771159	144.610	2082.695	ug/L	2088.698
	66	Zn	0.061610	107.433	622.395	ug/L	613.060
	76	Se	21.558889	117.028	-121098.967	ug/L	-126424.480
	77	Se	-15.965893	11.359	13169.935	ug/L	16263.240
	78	Se	-0.376715	92.542	18817.158	ug/L	19723.901
	79	Br	-154.924750	260.590	48029.805	ug/L	50339.867
>	72	Ge			961213.538	ug/L	995901.238
	108	Cd	0.008839	179.448	5.692	ug/L	4.383
	114	Cd	0.002194	54.641	42.803	ug/L	31.392

	109 Ag	0.011990	34.140	63.667	ug/L	22.333
.>	115 In			1015376.642	ug/L	1035315.504
	208 207.977	0.004878	51.094	279.338	ug/L	223.336
	207 Pb	0.007511	16.805	134.001	ug/L	97.001
	206 Pb	0.007370	41.566	158.668	ug/L	110.001
.>	169 Tm			630009.948	ug/L	636245.719
	106 Pd	0.010547	50.000	8.000	ug/L	6.000
	83 Kr	165.658489	32.994	1096.715	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	95.933
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	96.517
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.074
	Pb	208	
>	Tm-1	169	99.020
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	96.517
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.074
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	99.020
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: CCV 3
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 19:55:01
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 3.029
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1351961.641	ug/L	1303995.384
>	6	Li-1			446393.934	ug/L	401796.460
	9	Be	93.374983	0.827	28667.219	ug/L	3.667
	44	Ca	5588.622317	0.096	1858679.159	ug/L	21885.678
	51	V	104.941956	0.874	1247657.342	ug/L	-44980.013
	52	Cr	105.375460	0.395	1180124.620	ug/L	36808.261
	55	Mn	106.630631	0.809	1884717.270	ug/L	2237.619
	59	Co	105.809636	1.013	1481762.021	ug/L	108.667
	60	Ni	105.570915	1.331	316726.962	ug/L	268.822
	65	Cu	104.487158	1.133	289973.460	ug/L	68.002
	68	Zn	103.173785	1.437	103468.573	ug/L	1752.842
	75	As	100.322722	0.612	263679.148	ug/L	17125.751
	82	Se	104.882131	0.748	25812.608	ug/L	1240.645
	97	Mo	205.657798	0.214	378007.837	ug/L	164.335
>	72	Ge-1			967935.252	ug/L	995901.238
	107	Ag	50.027603	1.234	496436.290	ug/L	56.334
	111	Cd	100.458479	0.946	228843.646	ug/L	8.330
	121	Sb	49.939400	1.262	368686.867	ug/L	81.667
	135	Ba	97.018422	1.140	195800.514	ug/L	196.002
>	115	In-1			1025476.341	ug/L	1035315.504
	208	Pb	100.791824	0.906	2338354.698	ug/L	430.337
>	169	Tm-1			616712.883	ug/L	636245.719
	50	Cr	100.456760	2.290	22159.172	ug/L	-1041.751
	53	Cr	101.016127	5.085	283028.308	ug/L	175830.770
	61	Ni	110.849114	2.343	7548.441	ug/L	2275.496
	63	Cu	105.804062	0.290	227865.168	ug/L	70.001
	67	Zn	103.926991	2.740	11085.301	ug/L	2088.698
	66	Zn	105.996334	0.419	53694.030	ug/L	613.060
	76	Se	148.609744	4.512	-116472.382	ug/L	-126424.480
	77	Se	92.760653	4.355	30581.710	ug/L	16263.240
	78	Se	101.795529	1.523	78686.125	ug/L	19723.901
	79	Br	-101.753487	293.611	48562.519	ug/L	50339.867
>	72	Ge			967935.252	ug/L	995901.238
	108	Cd	101.329244	2.940	15968.424	ug/L	4.383
	114	Cd	99.809345	0.857	550494.846	ug/L	31.392

	109 Ag	49.768404	0.800	174935.896	ug/L	22.333
>	115 In			1025476.341	ug/L	1035315.504
	208 207.977	102.209902	1.502	1191803.125	ug/L	223.336
	207 Pb	99.666344	2.152	492472.492	ug/L	97.001
	206 Pb	99.128563	1.006	654079.081	ug/L	110.001
>	169 Tm			616712.883	ug/L	636245.719
	106 Pd	103.317382	0.691	19597.255	ug/L	6.000
	83 Kr	18.182319	353.647	1194.057	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	111.100
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	97.192
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.050
	Pb	208	
>	Tm-1	169	96.930
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	97.192
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.050
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	96.930
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: CCB 3
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 19:59:12
Method File: c:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCB 3.030
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1383982.499	ug/L	1303995.384
>	6	Li-1			444451.177	ug/L	401796.460
	9	Be	0.003105	281.345	5.000	ug/L	3.667
	44	Ca	-5.295177	29.366	19836.132	ug/L	21885.678
	51	V	0.830104	18.566	-34019.854	ug/L	-44980.013
	52	Cr	-0.664654	5.564	29005.332	ug/L	36808.261
	55	Mn	-0.007557	39.511	2073.579	ug/L	2237.619
	59	Co	0.002861	17.952	148.001	ug/L	108.667
	60	Ni	-0.012093	44.311	228.665	ug/L	268.822
	65	Cu	0.005947	83.335	83.825	ug/L	68.002
	68	Zn	0.060652	164.814	1791.517	ug/L	1752.842
	75	As	0.309002	41.940	17678.522	ug/L	17125.751
	82	Se	0.162364	291.519	1263.227	ug/L	1240.645
	97	Mo	0.224225	27.395	581.020	ug/L	164.335
>	72	Ge-1			983199.837	ug/L	995901.238
	107	Ag	0.018731	12.186	247.004	ug/L	56.334
	111	Cd	0.007130	33.558	24.946	ug/L	8.330
	121	Sb	0.242592	14.064	1915.213	ug/L	81.667
	135	Ba	-0.002588	243.566	193.002	ug/L	196.002
>	115	In-1			1047518.950	ug/L	1035315.504
	208	Pb	0.007002	19.415	580.008	ug/L	430.337
>	169	Tm-1			617632.929	ug/L	636245.719
	50	Cr	1.062211	4.798	-779.597	ug/L	-1041.751
	53	Cr	-23.800857	8.172	146747.138	ug/L	175830.770
	61	Ni	5.118170	22.431	2496.998	ug/L	2275.496
	63	Cu	0.002877	185.168	75.334	ug/L	70.001
	67	Zn	0.722006	144.667	2126.057	ug/L	2088.698
	66	Zn	0.042034	111.244	626.730	ug/L	613.060
	76	Se	26.136058	142.659	-123663.892	ug/L	-126424.480
	77	Se	-21.622350	5.163	12556.637	ug/L	16263.240
	78	Se	1.035459	32.832	20086.225	ug/L	19723.901
	79	Br	-71.216159	304.682	49440.612	ug/L	50339.867
>	72	Ge			983199.837	ug/L	995901.238
	108	Cd	-0.007957	337.772	3.199	ug/L	4.383
	114	Cd	0.004963	52.295	59.883	ug/L	31.392

	109 Ag	0.019429	10.984	92.335	ug/L	22.333
>	115 In			1047518.950	ug/L	1035315.504
	208 207.977	0.007764	31.111	307.339	ug/L	223.336
	207 Pb	0.005132	68.903	119.334	ug/L	97.001
	206 Pb	0.007055	13.304	153.335	ug/L	110.001
>	169 Tm			617632.929	ug/L	636245.719
	106 Pd	0.007032	43.301	7.333	ug/L	6.000
	83 Kr	-12.626591	1286.242	1214.393	ug/L	1206.058

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	110.616
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	98.725
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.179
	Pb	208	
>	Tm-1	169	97.075
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	98.725
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.179
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	97.075
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: BLK RECAL
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 19:59:12
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCB 3.030
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1383982.499	ug/L	
>	6	Li-1			444451.177	ug/L	
	9	Be			5.000	ug/L	
	44	Ca			19836.132	ug/L	
	51	V			-34019.854	ug/L	
	52	Cr			29005.332	ug/L	
	55	Mn			2073.579	ug/L	
	59	Co			148.001	ug/L	
	60	Ni			228.665	ug/L	
	65	Cu			83.825	ug/L	
	68	Zn			1791.517	ug/L	
	75	As			17678.522	ug/L	
	82	Se			1263.227	ug/L	
	97	Mo			581.020	ug/L	
>	72	Ge-1			983199.837	ug/L	
	107	Ag			247.004	ug/L	
	111	Cd			24.946	ug/L	
	121	Sb			1915.213	ug/L	
	135	Ba			193.002	ug/L	
>	115	In-1			1047518.950	ug/L	
	208	Pb			580.008	ug/L	
>	169	Tm-1			617632.929	ug/L	
	50	Cr			-779.597	ug/L	
	53	Cr			146747.138	ug/L	
	61	Ni			2496.998	ug/L	
	63	Cu			75.334	ug/L	
	67	Zn			2126.057	ug/L	
	66	Zn			626.730	ug/L	
	76	Se			-123663.892	ug/L	
	77	Se			12556.637	ug/L	
	78	Se			20086.225	ug/L	
	79	Br			49440.612	ug/L	
>	72	Ge			983199.837	ug/L	
	108	Cd			3.199	ug/L	
	114	Cd			59.883	ug/L	

	109 Ag	92.335	ug/L
>	115 In	1047518.950	ug/L
	208 207.977	307.339	ug/L
	207 Pb	119.334	ug/L
	206 Pb	153.335	ug/L
>	169 Tm	617632.929	ug/L
	106 Pd	7.333	ug/L
	83 Kr	1214.393	ug/L

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	
	Pb	208	
>	Tm-1	169	
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: STD1 RECAL
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 19:55:01
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 3.029
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45 Sc			1351961.641	ug/L	1383982.499
>	6 Li-1			446393.934	ug/L	444451.177
	9 Be	100.000000	0.827	28667.219	ug/L	5.000
	44 Ca	5100.000000	0.096	1858679.159	ug/L	19836.132
	51 V	100.000000	0.881	1247657.342	ug/L	-34019.854
	52 Cr	100.000000	0.393	1180124.620	ug/L	29005.332
	55 Mn	100.000000	0.809	1884717.270	ug/L	2073.579
	59 Co	100.000000	1.013	1481762.021	ug/L	148.001
	60 Ni	100.000000	1.331	316726.962	ug/L	228.665
	65 Cu	100.000000	1.133	289973.460	ug/L	83.825
	68 Zn	100.000000	1.438	103468.573	ug/L	1791.517
	75 As	100.000000	0.614	263679.148	ug/L	17678.522
	82 Se	100.000000	0.749	25812.608	ug/L	1263.227
	97 Mo	200.000000	0.214	378007.837	ug/L	581.020
>	72 Ge-1			967935.252	ug/L	983199.837
	107 Ag	50.000000	1.235	496436.290	ug/L	247.004
	111 Cd	100.000000	0.946	228843.646	ug/L	24.946
	121 Sb	50.000000	1.268	368686.867	ug/L	1915.213
	135 Ba	100.000000	1.140	195800.514	ug/L	193.002
>	115 In-1			1025476.341	ug/L	1047518.950
	208 Pb	100.000000	0.906	2338354.698	ug/L	580.008
>	169 Tm-1			616712.883	ug/L	617632.929
	50 Cr	100.000000	2.314	22159.172	ug/L	-779.597
	53 Cr	100.000000	4.115	283028.308	ug/L	146747.138
	61 Ni	100.000000	2.456	7548.441	ug/L	2496.998
	63 Cu	100.000000	0.290	227865.168	ug/L	75.334
	67 Zn	100.000000	2.759	11085.301	ug/L	2126.057
	66 Zn	100.000000	0.419	53694.030	ug/L	626.730
	76 Se	100.000000	5.480	-116472.382	ug/L	-123663.892
	77 Se	100.000000	3.532	30581.710	ug/L	12556.637
	78 Se	100.000000	1.538	78686.125	ug/L	20086.225
	79 Br	100.000000	959.203	48562.519	ug/L	49440.612
>	72 Ge			967935.252	ug/L	983199.837
	108 Cd	100.000000	2.939	15968.424	ug/L	3.199
	114 Cd	100.000000	0.857	550494.846	ug/L	59.883

	109 Ag	50.000000	0.801	174935.896	ug/L	92.335
>	115 In			1025476.341	ug/L	1047518.950
	208 207.977	100.000000	1.502	1191803.125	ug/L	307.339
	207 Pb	100.000000	2.153	492472.492	ug/L	119.334
	206 Pb	100.000000	1.007	654079.081	ug/L	153.335
>	169 Tm			616712.883	ug/L	617632.929
	106 Pd	100.000000	0.691	19597.255	ug/L	7.333
	83 Kr	100.000000	208.710	1194.057	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	
	Pb	208	
>	Tm-1	169	
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	
	Pd	106	
	Kr	83	

Sample ID: CCV 4
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 20:03:23
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 4.031
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1367728.648	ug/L	1383982.499
>	6	Li-1			448860.490	ug/L	444451.177
	9	Be	99.649177	0.382	28724.739	ug/L	5.000
	44	Ca	5082.751288	0.500	1870800.459	ug/L	19836.132
	51	V	100.238457	0.661	1263092.001	ug/L	-34019.854
	52	Cr	99.103102	0.787	1181346.323	ug/L	29005.332
	55	Mn	97.821373	1.356	1861911.961	ug/L	2073.579
	59	Co	99.238654	0.214	1485068.681	ug/L	148.001
	60	Ni	98.636430	1.282	315525.152	ug/L	228.665
	65	Cu	98.611977	0.448	288789.516	ug/L	83.825
	68	Zn	98.912647	0.646	103374.398	ug/L	1791.517
	75	As	99.659305	0.351	265445.535	ug/L	17678.522
	82	Se	99.312233	1.315	25898.071	ug/L	1263.227
	97	Mo	197.249557	0.791	376497.807	ug/L	581.020
>	72	Ge-1			977537.321	ug/L	983199.837
	107	Ag	49.614914	0.509	496568.580	ug/L	247.004
	111	Cd	98.571202	1.380	227381.140	ug/L	24.946
	121	Sb	49.564067	0.673	368423.770	ug/L	1915.213
	135	Ba	99.871498	1.573	197114.058	ug/L	193.002
>	115	In-1			1033649.932	ug/L	1047518.950
	208	Pb	98.675937	0.946	2324683.312	ug/L	580.008
>	169	Tm-1			621323.577	ug/L	617632.929
	50	Cr	98.437588	2.017	22015.057	ug/L	-779.597
	53	Cr	94.690006	3.454	278418.453	ug/L	146747.138
	61	Ni	93.837237	1.768	7306.868	ug/L	2496.998
	63	Cu	99.225781	0.351	228344.844	ug/L	75.334
	67	Zn	97.222847	1.697	10943.132	ug/L	2126.057
	66	Zn	98.469540	1.226	53402.431	ug/L	626.730
	76	Se	89.192315	9.850	-118200.341	ug/L	-123663.892
	77	Se	98.612101	0.661	30629.150	ug/L	12556.637
	78	Se	99.592173	0.410	79222.537	ug/L	20086.225
	79	Br	1428.954119	44.520	47547.291	ug/L	49440.612
>	72	Ge			977537.321	ug/L	983199.837
	108	Cd	99.286127	1.055	15982.904	ug/L	3.199
	114	Cd	99.372105	0.419	551415.961	ug/L	59.883

	109 Ag	49.653951	0.524	175114.002	ug/L	92.335
>	115 In			1033649.932	ug/L	1047518.950
	208 207.977	98.309013	1.374	1180451.059	ug/L	307.339
	207 Pb	99.659157	0.499	494500.917	ug/L	119.334
	206 Pb	98.604183	1.152	649731.336	ug/L	153.335
>	169 Tm			621323.577	ug/L	617632.929
	106 Pd	99.670868	0.898	19532.779	ug/L	7.333
	83 Kr	-54.096463	379.911	1225.393	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	100.992
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	99.424
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.676
	Pb	208	
>	Tm-1	169	100.598
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	99.424
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.676
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	100.598
	Pd	106	
	Kr	83	

Sample ID: CCB 4
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 20:07:34
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCB 4.032
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1394664.655	ug/L	1383982.499
>	6	Li-1			450109.539	ug/L	444451.177
	9	Be	-0.000230	3008.912	5.000	ug/L	5.000
	44	Ca	-1.423990	92.714	19565.193	ug/L	19836.132
	51	V	-0.130083	156.612	-36174.335	ug/L	-34019.854
	52	Cr	-0.033301	38.395	28986.266	ug/L	29005.332
	55	Mn	0.001093	79.766	2121.591	ug/L	2073.579
	59	Co	0.002280	29.967	184.669	ug/L	148.001
	60	Ni	0.002992	126.187	241.357	ug/L	228.665
	65	Cu	-0.000561	175.170	83.237	ug/L	83.825
	68	Zn	0.084621	68.106	1903.207	ug/L	1791.517
	75	As	-0.014335	1730.278	17870.510	ug/L	17678.522
	82	Se	-0.243221	182.877	1217.986	ug/L	1263.227
	97	Mo	0.005589	1052.951	599.354	ug/L	581.020
>	72	Ge-1			995934.318	ug/L	983199.837
	107	Ag	0.001120	222.333	260.337	ug/L	247.004
	111	Cd	0.000289	758.246	25.800	ug/L	24.946
	121	Sb	-0.000396	7144.998	1926.547	ug/L	1915.213
	135	Ba	0.006700	87.278	208.002	ug/L	193.002
>	115	In-1			1056065.715	ug/L	1047518.950
	208	Pb	0.002599	66.389	658.676	ug/L	580.008
>	169	Tm-1			634698.314	ug/L	617632.929
	50	Cr	0.063911	37.754	-774.622	ug/L	-779.597
	53	Cr	-1.876124	90.128	145971.708	ug/L	146747.138
	61	Ni	-2.867331	37.556	2379.239	ug/L	2496.998
	63	Cu	-0.003117	77.444	69.001	ug/L	75.334
	67	Zn	-0.682469	184.188	2090.367	ug/L	2126.057
	66	Zn	0.105409	4.944	692.410	ug/L	626.730
	76	Se	-11.424954	268.095	-125884.438	ug/L	-123663.892
	77	Se	-2.170543	23.595	12312.394	ug/L	12556.637
	78	Se	-0.393046	88.539	20107.864	ug/L	20086.225
	79	Br	940.639658	91.691	48998.871	ug/L	49440.612
>	72	Ge			995934.318	ug/L	983199.837
	108	Cd	0.019115	103.226	6.383	ug/L	3.199
	114	Cd	-0.000210	708.247	59.139	ug/L	59.883

109	Ag	-0.000496	909.079	91.335	ug/L	92.335
115	In			1056065.715	ug/L	1047518.950
208	207.977	0.002867	77.802	351.007	ug/L	307.339
207	Pb	0.003138	86.269	138.668	ug/L	119.334
206	Pb	0.001703	174.829	169.002	ug/L	153.335
169	Tm			634698.314	ug/L	617632.929
106	Pd	0.000	768224430.641	7.333	ug/L	7.333
83	Kr	-118.031992	514.821	1238.395	ug/L	1214.393

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	101.273
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	101.295
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.816
Pb	208	
Tm-1	169	102.763
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	101.295
Cd	108	
Cd	114	
Ag	109	
In	115	100.816
207.977	208	
Pb	207	
Pb	206	
Tm	169	102.763
Pd	106	
Kr	83	

Sample ID: CCV 5
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 20:53:33
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 5.043
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1376317.406	ug/L	1383982.499
>	6	Li-1			448770.566	ug/L	444451.177
	9	Be	99.672498	1.514	28725.413	ug/L	5.000
	44	Ca	5047.634188	0.783	1879512.644	ug/L	19836.132
	51	V	98.780586	0.505	1258650.272	ug/L	-34019.854
	52	Cr	98.955720	0.525	1193377.403	ug/L	29005.332
	55	Mn	98.501562	0.803	1896605.751	ug/L	2073.579
	59	Co	98.724955	0.577	1494458.990	ug/L	148.001
	60	Ni	98.147616	0.752	317580.924	ug/L	228.665
	65	Cu	99.140396	0.947	293675.780	ug/L	83.825
	68	Zn	98.478228	0.486	104134.508	ug/L	1791.517
	75	As	99.874871	0.326	269084.338	ug/L	17678.522
	82	Se	98.777937	2.188	26060.040	ug/L	1263.227
	97	Mo	201.208227	1.166	388477.561	ug/L	581.020
>	72	Ge-1			988903.424	ug/L	983199.837
	107	Ag	50.487683	0.472	506383.083	ug/L	247.004
	111	Cd	99.720102	1.457	230538.704	ug/L	24.946
	121	Sb	49.755841	0.667	370626.448	ug/L	1915.213
	135	Ba	101.679266	0.252	201112.753	ug/L	193.002
>	115	In-1			1035855.008	ug/L	1047518.950
	208	Pb	100.174438	1.019	2392434.105	ug/L	580.008
>	169	Tm-1			629903.830	ug/L	617632.929
	50	Cr	101.465542	3.185	22975.927	ug/L	-779.597
	53	Cr	100.389094	4.417	289769.986	ug/L	146747.138
	61	Ni	92.275330	0.660	7310.209	ug/L	2496.998
	63	Cu	98.060214	0.748	228276.898	ug/L	75.334
	67	Zn	96.136877	3.361	10971.578	ug/L	2126.057
	66	Zn	97.504771	0.479	53501.474	ug/L	626.730
	76	Se	95.523584	24.277	-119239.383	ug/L	-123663.892
	77	Se	105.591536	2.331	32288.338	ug/L	12556.637
	78	Se	99.611771	0.091	80156.461	ug/L	20086.225
	79	Br	1185.939921	58.953	48382.521	ug/L	49440.612
>	72	Ge			988903.424	ug/L	983199.837
	108	Cd	100.073923	0.344	16143.433	ug/L	3.199
	114	Cd	99.850511	0.407	555273.924	ug/L	59.883

	109 Ag	50.878923	0.300	179814.862	ug/L	92.335
>	115 In			1035855.008	ug/L	1047518.950
	208 207.977	99.724532	0.693	1213944.175	ug/L	307.339
	207 Pb	100.587961	2.009	505931.296	ug/L	119.334
	206 Pb	100.682881	0.948	672558.634	ug/L	153.335
>	169 Tm			629903.830	ug/L	617632.929
	106 Pd	101.915204	2.205	19972.442	ug/L	7.333
	83 Kr	-168.850888	332.822	1248.729	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	100.972
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	100.580
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	98.887
	Pb	208	
>	Tm-1	169	101.987
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	100.580
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	98.887
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.987
	Pd	106	
	Kr	83	

Sample ID: CCB 5
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 20:57:44
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCB 5.044
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1392758.566	ug/L	1383982.499
>	6	Li-1			461100.927	ug/L	444451.177
	9	Be	-0.011880	16.735	1.667	ug/L	5.000
	44	Ca	-0.694963	158.519	20068.993	ug/L	19836.132
	51	V	-0.140226	77.501	-36736.089	ug/L	-34019.854
	52	Cr	0.323084	11.591	33601.733	ug/L	29005.332
	55	Mn	0.007143	9.618	2265.293	ug/L	2073.579
	59	Co	0.002943	63.753	197.002	ug/L	148.001
	60	Ni	-0.001302	367.687	230.080	ug/L	228.665
	65	Cu	-0.003047	115.190	76.761	ug/L	83.825
	68	Zn	-0.010983	266.418	1824.524	ug/L	1791.517
	75	As	-0.175330	137.212	17667.712	ug/L	17678.522
	82	Se	-0.331159	66.451	1210.278	ug/L	1263.227
	97	Mo	-0.006990	886.245	582.020	ug/L	581.020
>	72	Ge-1			1007740.746	ug/L	983199.837
	107	Ag	-0.001871	126.307	232.670	ug/L	247.004
	111	Cd	0.001759	266.750	29.643	ug/L	24.946
	121	Sb	-0.026736	83.724	1749.843	ug/L	1915.213
	135	Ba	0.016236	12.997	230.003	ug/L	193.002
>	115	In-1			1068732.780	ug/L	1047518.950
	208	Pb	0.002361	18.317	660.010	ug/L	580.008
>	169	Tm-1			641731.491	ug/L	617632.929
	50	Cr	-0.323457	38.165	-876.340	ug/L	-779.597
	53	Cr	3.902406	18.005	156038.755	ug/L	146747.138
	61	Ni	-3.468358	13.608	2375.569	ug/L	2496.998
	63	Cu	-0.004041	94.537	67.667	ug/L	75.334
	67	Zn	-0.321495	119.065	2149.072	ug/L	2126.057
	66	Zn	0.017074	358.200	651.735	ug/L	626.730
	76	Se	-4.079016	829.650	-126982.074	ug/L	-123663.892
	77	Se	5.672039	12.754	13946.110	ug/L	12556.637
	78	Se	-1.106662	43.156	19907.647	ug/L	20086.225
	79	Br	1077.297958	78.807	49422.879	ug/L	49440.612
>	72	Ge			1007740.746	ug/L	983199.837
	108	Cd	0.002302	1375.371	3.655	ug/L	3.199
	114	Cd	-0.000141	1482.337	60.279	ug/L	59.883

	109 Ag	-0.000966	291.183	90.668	ug/L	92.335
>	115 In			1068732.780	ug/L	1047518.950
	208 207.977	0.001895	54.784	342.673	ug/L	307.339
	207 Pb	0.002262	65.043	135.668	ug/L	119.334
	206 Pb	0.003286	22.790	181.669	ug/L	153.335
>	169 Tm			641731.491	ug/L	617632.929
	106 Pd	-0.011911	74.231	5.000	ug/L	7.333
	83 Kr	6.558652	2565.959	1213.059	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.746
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.496
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.025
	Pb	208	
>	Tm-1	169	103.902
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.496
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.025
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.902
	Pd	106	
	Kr	83	

Sample ID: CCV 6
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 21:01:55
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 6.045
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1369666.811	ug/L	1383982.499
>	6	Li-1			459904.271	ug/L	444451.177
	9	Be	98.444947	0.473	29075.896	ug/L	5.000
	44	Ca	5030.975828	0.323	1868600.815	ug/L	19836.132
	51	V	98.284081	0.238	1248962.270	ug/L	-34019.854
	52	Cr	98.452759	0.443	1184408.455	ug/L	29005.332
	55	Mn	98.291830	0.731	1887796.558	ug/L	2073.579
	59	Co	97.793582	0.514	1476571.246	ug/L	148.001
	60	Ni	97.373709	0.647	314272.650	ug/L	228.665
	65	Cu	98.874468	0.576	292159.425	ug/L	83.825
	68	Zn	98.820923	0.485	104210.220	ug/L	1791.517
	75	As	99.195552	0.196	266670.457	ug/L	17678.522
	82	Se	98.109554	0.738	25829.006	ug/L	1263.227
	97	Mo	197.048301	0.372	379513.970	ug/L	581.020
>	72	Ge-1			986323.011	ug/L	983199.837
	107	Ag	49.513690	0.400	501318.561	ug/L	247.004
	111	Cd	98.519292	1.204	229896.500	ug/L	24.946
	121	Sb	49.147453	1.469	369567.608	ug/L	1915.213
	135	Ba	100.651723	2.101	200949.924	ug/L	193.002
>	115	In-1			1045697.592	ug/L	1047518.950
	208	Pb	97.188992	1.660	2337715.543	ug/L	580.008
>	169	Tm-1			634448.898	ug/L	617632.929
	50	Cr	98.863072	2.972	22315.445	ug/L	-779.597
	53	Cr	96.208092	2.787	283061.832	ug/L	146747.138
	61	Ni	93.960932	3.662	7379.040	ug/L	2496.998
	63	Cu	98.003458	0.596	227557.460	ug/L	75.334
	67	Zn	95.219055	0.132	10857.496	ug/L	2126.057
	66	Zn	97.909923	0.614	53584.888	ug/L	626.730
	76	Se	93.307610	7.069	-119043.308	ug/L	-123663.892
	77	Se	104.001047	1.269	31905.673	ug/L	12556.637
	78	Se	99.378640	1.075	79807.360	ug/L	20086.225
	79	Br	1917.976351	49.270	47418.822	ug/L	49440.612
>	72	Ge			986323.011	ug/L	983199.837
	108	Cd	97.282739	0.463	15842.018	ug/L	3.199
	114	Cd	98.342142	1.179	552052.005	ug/L	59.883

	109 Ag	49.477250	0.591	176521.520	ug/L	92.335
>	115 In			1045697.592	ug/L	1047518.950
	208 207.977	96.075499	2.638	1177740.574	ug/L	307.339
	207 Pb	98.856470	1.196	500832.899	ug/L	119.334
	206 Pb	97.962402	0.375	659142.070	ug/L	153.335
>	169 Tm			634448.898	ug/L	617632.929
	106 Pd	99.943727	1.000	19586.231	ug/L	7.333
	83 Kr	-90.162823	563.812	1232.728	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.477
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	100.318
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	99.826
	Pb	208	
>	Tm-1	169	102.723
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	100.318
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	99.826
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	102.723
	Pd	106	
	Kr	83	

Sample ID: CCB 6
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 21:06:06
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCB 6.046
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1392762.033	ug/L	1383982.499
>	6	Li-1			463638.477	ug/L	444451.177
	9	Be	-0.006341	60.215	3.333	ug/L	5.000
	44	Ca	-0.853699	93.517	20044.268	ug/L	19836.132
	51	V	-0.398463	8.474	-40252.794	ug/L	-34019.854
	52	Cr	0.347059	6.299	33947.058	ug/L	29005.332
	55	Mn	0.007917	39.249	2284.298	ug/L	2073.579
	59	Co	0.004083	36.760	215.003	ug/L	148.001
	60	Ni	-0.001340	438.216	230.353	ug/L	228.665
	65	Cu	0.002496	249.025	93.567	ug/L	83.825
	68	Zn	0.147426	150.370	1995.563	ug/L	1791.517
	75	As	-0.172176	45.830	17707.772	ug/L	17678.522
	82	Se	-0.339336	67.296	1210.088	ug/L	1263.227
	97	Mo	0.001536	4468.796	599.355	ug/L	581.020
>	72	Ge-1			1009447.930	ug/L	983199.837
	107	Ag	0.001670	164.032	269.004	ug/L	247.004
	111	Cd	0.004491	130.434	36.189	ug/L	24.946
	121	Sb	-0.011807	208.074	1862.867	ug/L	1915.213
	135	Ba	0.011911	25.369	221.003	ug/L	193.002
>	115	In-1			1067643.208	ug/L	1047518.950
	208	Pb	0.006181	21.172	758.346	ug/L	580.008
>	169	Tm-1			646420.500	ug/L	617632.929
	50	Cr	-0.343902	15.828	-882.609	ug/L	-779.597
	53	Cr	3.810155	35.416	156167.391	ug/L	146747.138
	61	Ni	-4.003102	76.108	2351.220	ug/L	2496.998
	63	Cu	0.001677	213.929	81.334	ug/L	75.334
	67	Zn	0.103335	925.700	2192.436	ug/L	2126.057
	66	Zn	0.259574	70.795	787.100	ug/L	626.730
	76	Se	-7.322131	343.976	-127370.799	ug/L	-123663.892
	77	Se	4.839741	6.492	13811.293	ug/L	12556.637
	78	Se	-0.862964	7.841	20092.346	ug/L	20086.225
	79	Br	1361.032519	66.484	49172.885	ug/L	49440.612
>	72	Ge			1009447.930	ug/L	983199.837
	108	Cd	0.002087	723.467	3.594	ug/L	3.199
	114	Cd	0.001468	96.553	69.494	ug/L	59.883

	109 Ag	0.001537	91.054	99.668	ug/L	92.335
>	115 In			1067643.208	ug/L	1047518.950
	208 207.977	0.006868	29.767	407.343	ug/L	307.339
	207 Pb	0.008091	33.473	166.668	ug/L	119.334
	206 Pb	0.003490	59.785	184.335	ug/L	153.335
>	169 Tm			646420.500	ug/L	617632.929
	106 Pd	-0.010209	202.073	5.333	ug/L	7.333
	83 Kr	18.033883	1047.827	1210.725	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	104.317
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.670
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.921
	Pb	208	
>	Tm-1	169	104.661
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.670
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.921
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.661
	Pd	106	
	Kr	83	

Sample ID: H64G4C
Sample Description: G6F090000-319 LCS
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 21:10:15
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H64G4C.047
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 103
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1434321.598	ug/L	1383982.499
>	6	Li-1			484921.605	ug/L	444451.177
	9	Be	182.442410	0.889	56810.163	ug/L	5.000
	44	Ca	1110.263766	0.847	437590.430	ug/L	19836.132
	51	V	192.805119	0.202	2539322.415	ug/L	-34019.854
	52	Cr	194.673326	0.767	2365966.607	ug/L	29005.332
	55	Mn	195.139342	0.811	3830634.499	ug/L	2073.579
	59	Co	197.890959	0.718	3055800.286	ug/L	148.001
	60	Ni	195.833344	0.902	646199.704	ug/L	228.665
	65	Cu	198.155949	0.334	598724.897	ug/L	83.825
	68	Zn	187.175856	0.642	200224.641	ug/L	1791.517
	75	As	185.910682	0.557	495279.010	ug/L	17678.522
	82	Se	181.659917	0.346	47808.986	ug/L	1263.227
	97	Mo	199.978896	0.692	393906.772	ug/L	581.020
>	72	Ge-1			1008741.198	ug/L	983199.837
	107	Ag	48.922480	0.527	514124.600	ug/L	247.004
	111	Cd	186.543026	0.703	451795.476	ug/L	24.946
	121	Sb	46.749042	1.443	364976.387	ug/L	1915.213
	135	Ba	195.868316	1.282	405715.896	ug/L	193.002
>	115	In-1			1085342.087	ug/L	1047518.950
	208	Pb	189.904543	1.796	4715301.296	ug/L	580.008
>	169	Tm-1			655091.611	ug/L	617632.929
	50	Cr	181.167688	2.132	42491.403	ug/L	-779.597
	53	Cr	136.917162	1.497	348276.636	ug/L	146747.138
	61	Ni	195.332194	2.500	12925.022	ug/L	2496.998
	63	Cu	194.573728	0.669	461988.135	ug/L	75.334
	67	Zn	177.196181	0.918	18785.967	ug/L	2126.057
	66	Zn	184.200323	0.929	102527.783	ug/L	626.730
	76	Se	175.037597	3.135	-117261.810	ug/L	-123663.892
	77	Se	138.666496	1.033	39212.415	ug/L	12556.637
	78	Se	183.514322	0.233	133278.364	ug/L	20086.225
	79	Br	27537.528753	4.265	18672.999	ug/L	49440.612
>	72	Ge			1008741.198	ug/L	983199.837
	108	Cd	181.016744	1.252	30592.689	ug/L	3.199
	114	Cd	184.159154	0.396	1072947.565	ug/L	59.883

109	Ag	48.727366	1.569	180431.992	ug/L	92.335
115	In			1085342.087	ug/L	1047518.950
208	207.977	191.995310	0.940	2430065.891	ug/L	307.339
207	Pb	198.110404	1.286	1036100.375	ug/L	119.334
206	Pb	179.915616	3.966	1249135.029	ug/L	153.335
169	Tm			655091.611	ug/L	617632.929
106	Pd	197.381869	1.139	38674.287	ug/L	7.333
83	Kr	-360.651449	79.809	1287.733	ug/L	1214.393

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	109.106
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	102.598
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	103.611
Pb	208	
Tm-1	169	106.065
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	102.598
Cd	108	
Cd	114	
Ag	109	
In	115	103.611
207.977	208	
Pb	207	
Pb	206	
Tm	169	106.065
Pd	106	
Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: H64G4L
Sample Description: G6F090000-319 LCSD
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 21:14:22
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H64G4L.048
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 104
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1437926.000	ug/L	1383982.499
>	6	Li-1			484427.683	ug/L	444451.177
	9	Be	179.978452	0.485	55986.221	ug/L	5.000
	44	Ca	1104.112639	1.221	433046.567	ug/L	19836.132
	51	V	193.230554	0.988	2531929.622	ug/L	-34019.854
	52	Cr	192.563069	0.278	2328757.364	ug/L	29005.332
	55	Mn	196.483980	1.056	3837257.469	ug/L	2073.579
	59	Co	197.105072	0.902	3027886.628	ug/L	148.001
	60	Ni	196.415448	1.392	644733.907	ug/L	228.665
	65	Cu	196.684695	1.269	591205.482	ug/L	83.825
	68	Zn	186.023094	1.098	197980.061	ug/L	1791.517
	75	As	183.679756	1.066	487049.798	ug/L	17678.522
	82	Se	180.745182	0.725	47330.945	ug/L	1263.227
	97	Mo	199.626035	1.491	391167.616	ug/L	581.020
>	72	Ge-1			1003593.274	ug/L	983199.837
	107	Ag	48.093326	0.837	506247.237	ug/L	247.004
	111	Cd	183.171014	0.777	444358.536	ug/L	24.946
	121	Sb	46.068835	0.980	360296.438	ug/L	1915.213
	135	Ba	192.744634	0.885	399923.730	ug/L	193.002
>	115	In-1			1087127.524	ug/L	1047518.950
	208	Pb	190.071387	1.183	4670372.528	ug/L	580.008
>	169	Tm-1			648165.263	ug/L	617632.929
	50	Cr	185.802189	1.294	43369.666	ug/L	-779.597
	53	Cr	137.474275	4.730	347264.109	ug/L	146747.138
	61	Ni	189.911609	2.932	12569.901	ug/L	2496.998
	63	Cu	192.166379	1.369	453906.510	ug/L	75.334
	67	Zn	174.732486	1.086	18459.695	ug/L	2126.057
	66	Zn	181.976334	0.651	100781.668	ug/L	626.730
	76	Se	201.015393	5.129	-115245.037	ug/L	-123663.892
	77	Se	139.297973	1.229	39129.820	ug/L	12556.637
	78	Se	183.537846	1.503	132602.799	ug/L	20086.225
	79	Br	27296.327274	4.802	18845.586	ug/L	49440.612
>	72	Ge			1003593.274	ug/L	983199.837
	108	Cd	178.967984	0.472	30296.073	ug/L	3.199
	114	Cd	180.666675	0.624	1054343.445	ug/L	59.883

	109 Ag	47.415810	1.444	175869.223	ug/L	92.335
>	115 In			1087127.524	ug/L	1047518.950
	208 207.977	193.088112	1.392	2418141.839	ug/L	307.339
	207 Pb	196.028540	0.843	1014520.447	ug/L	119.334
	206 Pb	180.088451	1.404	1237710.242	ug/L	153.335
>	169 Tm			648165.263	ug/L	617632.929
	106 Pd	196.370126	1.464	38476.088	ug/L	7.333
	83 Kr	-209.832517	63.195	1257.063	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	108.995
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.074
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	103.781
	Pb	208	
>	Tm-1	169	104.943
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.074
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	103.781
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.943
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: Rinse
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 21:18:32
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\Rinse.049
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45	Sc			1417887.631	ug/L	1383982.499
6	Li-1			474882.965	ug/L	444451.177
9	Be	-0.005500	123.557	3.667	ug/L	5.000
44	Ca	1.687791	75.866	20915.639	ug/L	19836.132
51	V	0.001161	20563.352	-34762.131	ug/L	-34019.854
52	Cr	0.838239	4.171	39688.139	ug/L	29005.332
55	Mn	0.007477	26.440	2266.627	ug/L	2073.579
59	Co	0.002709	39.583	193.002	ug/L	148.001
60	Ni	-0.046214	5.583	81.915	ug/L	228.665
65	Cu	-0.001088	259.374	82.464	ug/L	83.825
68	Zn	-0.197206	52.159	1624.151	ug/L	1791.517
75	As	0.018288	1289.734	18123.355	ug/L	17678.522
82	Se	-0.296538	96.383	1216.075	ug/L	1263.227
97	Mo	-0.003286	1369.829	587.353	ug/L	581.020
72	Ge-1			1005488.752	ug/L	983199.837
107	Ag	0.010894	27.623	366.674	ug/L	247.004
111	Cd	-0.000791	273.497	23.695	ug/L	24.946
121	Sb	0.090035	40.510	2656.739	ug/L	1915.213
135	Ba	0.037738	38.568	275.338	ug/L	193.002
115	In-1			1074805.064	ug/L	1047518.950
208	Pb	0.002910	31.821	666.677	ug/L	580.008
169	Tm-1			635109.653	ug/L	617632.929
50	Cr	-0.346958	14.854	-879.904	ug/L	-779.597
53	Cr	1.139470	193.227	151699.561	ug/L	146747.138
61	Ni	-4.373374	61.720	2321.864	ug/L	2496.998
63	Cu	-0.005775	73.965	63.334	ug/L	75.334
67	Zn	-1.461275	52.336	2037.665	ug/L	2126.057
66	Zn	-0.126135	129.866	571.720	ug/L	626.730
76	Se	3.212792	332.548	-126293.321	ug/L	-123663.892
77	Se	6.355852	10.919	14044.553	ug/L	12556.637
78	Se	-0.415918	113.766	20286.429	ug/L	20086.225
79	Br	1009.107174	129.780	49383.058	ug/L	49440.612
72	Ge			1005488.752	ug/L	983199.837
108	Cd	-0.025633	37.225	-1.011	ug/L	3.199
114	Cd	-0.002702	47.063	45.822	ug/L	59.883

	109 Ag	0.011463	57.261	136.670	ug/L	92.335
>	115 In			1074805.064	ug/L	1047518.950
	208 207.977	0.003322	49.155	357.007	ug/L	307.339
	207 Pb	0.003741	22.189	141.668	ug/L	119.334
	206 Pb	0.001534	112.050	168.002	ug/L	153.335
>	169 Tm			635109.653	ug/L	617632.929
	106 Pd	-0.006806	129.904	6.000	ug/L	7.333
	83 Kr	34.427198	430.534	1207.392	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	106.847
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.267
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.605
	Pb	208	
>	Tm-1	169	102.830
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.267
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.605
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	102.830
	Pd	106	
	Kr	83	

Sample ID: H64G4B
Sample Description: G6F090000-319 BLK
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 21:22:44
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H64G4B.050
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 21
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1478398.104	ug/L	1383982.499
>	6	Li-1			488458.920	ug/L	444451.177
	9	Be	-0.007974	105.483	3.000	ug/L	5.000
	44	Ca	-2.306541	66.962	19929.347	ug/L	19836.132
	51	V	1.977806	3.939	-8690.429	ug/L	-34019.854
	52	Cr	-0.476807	8.970	24585.498	ug/L	29005.332
	55	Mn	0.146552	3.338	5117.163	ug/L	2073.579
	59	Co	0.000299	318.377	160.001	ug/L	148.001
	60	Ni	-0.020575	13.944	170.572	ug/L	228.665
	65	Cu	0.057979	4.696	267.124	ug/L	83.825
	68	Zn	0.317206	33.084	2224.283	ug/L	1791.517
	75	As	0.627390	29.555	20199.484	ug/L	17678.522
	82	Se	-0.116398	236.654	1295.041	ug/L	1263.227
	97	Mo	-0.205339	4.158	196.669	ug/L	581.020
>	72	Ge-1			1031833.630	ug/L	983199.837
	107	Ag	-0.011813	22.717	134.334	ug/L	247.004
	111	Cd	-0.007354	15.983	8.174	ug/L	24.946
	121	Sb	-0.160945	2.704	748.032	ug/L	1915.213
	135	Ba	0.020717	29.448	247.337	ug/L	193.002
>	115	In-1			1105161.487	ug/L	1047518.950
	208	Pb	0.372094	2.089	9873.162	ug/L	580.008
>	169	Tm-1			656422.207	ug/L	617632.929
	50	Cr	2.364393	1.995	-240.269	ug/L	-779.597
	53	Cr	-63.339724	4.067	60444.203	ug/L	146747.138
	61	Ni	-4.189122	29.635	2393.250	ug/L	2496.998
	63	Cu	0.057356	1.810	218.341	ug/L	75.334
	67	Zn	-10.591916	13.780	1215.572	ug/L	2126.057
	66	Zn	0.535889	26.934	961.149	ug/L	626.730
	76	Se	-15.107781	51.327	-130630.961	ug/L	-123663.892
	77	Se	-43.609074	0.685	4707.886	ug/L	12556.637
	78	Se	0.258490	84.860	21242.102	ug/L	20086.225
	79	Br	28440.473913	3.677	18014.008	ug/L	49440.612
>	72	Ge			1031833.630	ug/L	983199.837
	108	Cd	-0.013178	70.195	1.112	ug/L	3.199
	114	Cd	-0.006249	20.066	26.130	ug/L	59.883

	109 Ag	-0.014448	24.391	43.000	ug/L	92.335
>	115 In			1105161.487	ug/L	1047518.950
	208 207.977	0.381234	1.299	5161.856	ug/L	307.339
	207 Pb	0.389562	7.286	2166.268	ug/L	119.334
	206 Pb	0.342286	2.599	2545.037	ug/L	153.335
>	169 Tm			656422.207	ug/L	617632.929
	106 Pd	-0.017016	30.000	4.000	ug/L	7.333
	83 Kr	-275.405740	41.123	1270.398	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	109.902
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	104.946
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	105.503
	Pb	208	
>	Tm-1	169	106.280
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	104.946
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	105.503
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.280
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: H6LTF
Sample Description: G6F020219-1
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 21:26:53
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LTF.051
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 46
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1498904.321	ug/L	1383982.499
>	6	Li-1			498489.173	ug/L	444451.177
	9	Be	-0.007120	66.390	3.333	ug/L	5.000
	44	Ca	546.783817	0.771	233065.527	ug/L	19836.132
	51	V	2.137744	1.804	-6562.215	ug/L	-34019.854
	52	Cr	1.489982	8.751	49156.749	ug/L	29005.332
	55	Mn	5.926380	0.745	122190.254	ug/L	2073.579
	59	Co	0.221312	1.116	3683.108	ug/L	148.001
	60	Ni	0.837615	3.228	3092.964	ug/L	228.665
	65	Cu	26.553593	1.053	82872.925	ug/L	83.825
	68	Zn	3.942904	1.825	6210.204	ug/L	1791.517
	75	As	0.561080	26.329	20203.745	ug/L	17678.522
	82	Se	-0.069262	38.546	1319.268	ug/L	1263.227
	97	Mo	0.031703	49.951	679.693	ug/L	581.020
>	72	Ge-1			1041033.045	ug/L	983199.837
	107	Ag	-0.000200	706.325	256.670	ug/L	247.004
	111	Cd	0.039438	16.784	122.816	ug/L	24.946
	121	Sb	-0.147069	1.498	852.041	ug/L	1915.213
	135	Ba	2.572207	1.892	5588.785	ug/L	193.002
>	115	In-1			1097801.797	ug/L	1047518.950
	208	Pb	1.031925	1.632	25534.490	ug/L	580.008
>	169	Tm-1			637456.020	ug/L	617632.929
	50	Cr	4.759987	37.027	350.281	ug/L	-779.597
	53	Cr	-57.593540	6.175	69526.640	ug/L	146747.138
	61	Ni	-4.548915	24.634	2394.584	ug/L	2496.998
	63	Cu	26.627076	0.486	65313.157	ug/L	75.334
	67	Zn	-6.606363	23.126	1611.417	ug/L	2126.057
	66	Zn	4.210937	3.168	3067.840	ug/L	626.730
	76	Se	-8.356611	346.362	-131416.073	ug/L	-123663.892
	77	Se	-41.317667	2.907	5197.748	ug/L	12556.637
	78	Se	0.136233	209.860	21353.185	ug/L	20086.225
	79	Br	25973.660606	4.218	21134.553	ug/L	49440.612
>	72	Ge			1041033.045	ug/L	983199.837
	108	Cd	0.318933	24.330	57.771	ug/L	3.199
	114	Cd	0.025547	27.109	212.997	ug/L	59.883

	109 Ag	-0.001233	563.960	92.001	ug/L	92.335
>	115 In			1097801.797	ug/L	1047518.950
	208 207.977	1.062780	1.784	13406.598	ug/L	307.339
	207 Pb	1.078175	1.849	5610.465	ug/L	119.334
	206 Pb	0.940872	1.990	6517.427	ug/L	153.335
>	169 Tm			637456.020	ug/L	617632.929
	106 Pd	0.869504	2.373	177.668	ug/L	7.333
	83 Kr	-562.289675	35.424	1328.737	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	112.158
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	105.882
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	104.800
	Pb	208	
>	Tm-1	169	103.210
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	105.882
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	104.800
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.210
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: H6LTFP5
Sample Description: G6F020219-1 5X
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 21:31:00
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LTFP5.052
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 47
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1446749.209	ug/L	1383982.499
>	6	Li-1			479055.685	ug/L	444451.177
	9	Be	0.005294	111.720	7.000	ug/L	5.000
	44	Ca	112.810096	2.997	63282.348	ug/L	19836.132
	51	V	0.069223	180.984	-34271.994	ug/L	-34019.854
	52	Cr	1.138940	8.185	43795.000	ug/L	29005.332
	55	Mn	1.228885	2.975	26459.614	ug/L	2073.579
	59	Co	0.041876	5.988	805.704	ug/L	148.001
	60	Ni	0.153696	6.726	748.488	ug/L	228.665
	65	Cu	5.306880	1.735	16256.345	ug/L	83.825
	68	Zn	1.435904	6.959	3388.323	ug/L	1791.517
	75	As	-0.179202	110.340	17833.798	ug/L	17678.522
	82	Se	-0.174057	145.349	1262.095	ug/L	1263.227
	97	Mo	-0.202432	3.655	199.669	ug/L	581.020
>	72	Ge-1			1017594.136	ug/L	983199.837
	107	Ag	-0.009563	13.890	154.335	ug/L	247.004
	111	Cd	0.001052	160.401	28.174	ug/L	24.946
	121	Sb	-0.185110	1.213	543.350	ug/L	1915.213
	135	Ba	0.519488	1.041	1267.092	ug/L	193.002
>	115	In-1			1078120.289	ug/L	1047518.950
	208	Pb	0.197145	1.379	5372.971	ug/L	580.008
>	169	Tm-1			638723.211	ug/L	617632.929
	50	Cr	0.022415	687.661	-801.002	ug/L	-779.597
	53	Cr	-0.184643	1958.051	151547.012	ug/L	146747.138
	61	Ni	-3.361288	24.365	2403.924	ug/L	2496.998
	63	Cu	5.412587	1.913	13036.804	ug/L	75.334
	67	Zn	-1.121284	103.731	2093.035	ug/L	2126.057
	66	Zn	1.495758	3.684	1483.019	ug/L	626.730
	76	Se	-0.193374	5138.335	-127998.790	ug/L	-123663.892
	77	Se	5.661442	48.208	14074.255	ug/L	12556.637
	78	Se	0.296716	218.635	20968.446	ug/L	20086.225
	79	Br	5355.386888	37.018	44851.045	ug/L	49440.612
>	72	Ge			1017594.136	ug/L	983199.837
	108	Cd	0.087749	34.425	18.039	ug/L	3.199
	114	Cd	-0.002501	58.740	47.217	ug/L	59.883

	109 Ag	-0.011531	10.349	52.667	ug/L	92.335
>	115 In			1078120.289	ug/L	1047518.950
	208 207.977	0.200709	1.942	2794.446	ug/L	307.339
	207 Pb	0.204503	2.597	1166.411	ug/L	119.334
	206 Pb	0.185110	0.908	1412.114	ug/L	153.335
>	169 Tm			638723.211	ug/L	617632.929
	106 Pd	0.173559	17.234	41.333	ug/L	7.333
	83 Kr	-468.847818	74.064	1309.735	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	107.786
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	103.498
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.921
	Pb	208	
>	Tm-1	169	103.415
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	103.498
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.921
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.415
	Pd	106	
	Kr	83	

Sample ID: H6LTFZ
Sample Description: G6F020219-1 PS
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 21:35:07
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LTFZ.053
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 48
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1467512.413	ug/L	1383982.499
>	6	Li-1			494027.950	ug/L	444451.177
	9	Be	186.505934	0.303	59167.035	ug/L	5.000
	44	Ca	1653.617651	0.923	645003.532	ug/L	19836.132
	51	V	194.662022	0.798	2576932.583	ug/L	-34019.854
	52	Cr	197.596756	0.245	2413266.013	ug/L	29005.332
	55	Mn	204.617786	0.679	4036803.917	ug/L	2073.579
	59	Co	198.968788	1.161	3087641.076	ug/L	148.001
	60	Ni	200.615375	0.109	665281.288	ug/L	228.665
	65	Cu	227.852783	0.284	691897.166	ug/L	83.825
	68	Zn	198.745615	0.529	213555.710	ug/L	1791.517
	75	As	191.950222	0.710	513341.017	ug/L	17678.522
	82	Se	191.975200	0.896	50703.000	ug/L	1263.227
	97	Mo	200.279802	0.221	396487.318	ug/L	581.020
>	72	Ge-1			1013821.227	ug/L	983199.837
	107	Ag	56.948186	2.264	599063.465	ug/L	247.004
	111	Cd	190.136387	1.371	461056.785	ug/L	24.946
	121	Sb	47.344324	1.352	370024.982	ug/L	1915.213
	135	Ba	200.830566	1.376	416465.203	ug/L	193.002
>	115	In-1			1086598.586	ug/L	1047518.950
	208	Pb	188.638965	0.959	4621965.245	ug/L	580.008
>	169	Tm-1			646256.503	ug/L	617632.929
	50	Cr	182.822596	1.631	43100.521	ug/L	-779.597
	53	Cr	145.431387	3.048	362419.028	ug/L	146747.138
	61	Ni	198.296996	0.423	13146.934	ug/L	2496.998
	63	Cu	217.680855	0.837	519409.869	ug/L	75.334
	67	Zn	188.572343	0.464	19951.826	ug/L	2126.057
	66	Zn	196.437656	0.547	109848.029	ug/L	626.730
	76	Se	192.891993	5.144	-116866.912	ug/L	-123663.892
	77	Se	150.816629	1.251	41730.225	ug/L	12556.637
	78	Se	193.226765	0.543	139937.015	ug/L	20086.225
	79	Br	25491.458339	4.988	21164.649	ug/L	49440.612
>	72	Ge			1013821.227	ug/L	983199.837
	108	Cd	184.228576	0.610	31170.748	ug/L	3.199
	114	Cd	186.393938	0.609	1087227.768	ug/L	59.883

	109 Ag	56.739428	2.188	210317.173	ug/L	92.335
>	115 In			1086598.586	ug/L	1047518.950
	208 207.977	189.831446	0.967	2370771.679	ug/L	307.339
	207 Pb	198.815415	0.798	1025967.391	ug/L	119.334
	206 Pb	178.803049	1.839	1225226.175	ug/L	153.335
>	169 Tm			646256.503	ug/L	617632.929
	106 Pd	203.369170	0.735	39847.195	ug/L	7.333
	83 Kr	-337.700356	23.437	1283.066	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	111.155
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	103.114
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	103.731
	Pb	208	
>	Tm-1	169	104.634
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	103.114
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	103.731
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.634
	Pd	106	
	Kr	83	

Sample ID: H6LTG
Sample Description: G6F020219-2
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 21:39:15
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LTG.054
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 49
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1465087.513	ug/L	1383982.499
>	6	Li-1			487142.311	ug/L	444451.177
	9	Be	-0.002573	264.111	4.667	ug/L	5.000
	44	Ca	509.780601	0.176	214716.543	ug/L	19836.132
	51	V	2.098857	14.126	-6976.284	ug/L	-34019.854
	52	Cr	1.576508	3.271	49316.264	ug/L	29005.332
	55	Mn	6.036108	0.646	122137.536	ug/L	2073.579
	59	Co	0.201224	1.412	3301.623	ug/L	148.001
	60	Ni	0.713888	0.777	2623.298	ug/L	228.665
	65	Cu	12.936511	1.092	39681.389	ug/L	83.825
	68	Zn	4.230848	13.373	6405.024	ug/L	1791.517
	75	As	0.736656	10.536	20291.493	ug/L	17678.522
	82	Se	-0.157610	172.112	1272.011	ug/L	1263.227
	97	Mo	0.263268	21.337	1128.407	ug/L	581.020
>	72	Ge-1			1021970.708	ug/L	983199.837
	107	Ag	0.009715	35.922	360.341	ug/L	247.004
	111	Cd	0.032518	5.754	105.392	ug/L	24.946
	121	Sb	0.079214	51.394	2623.065	ug/L	1915.213
	135	Ba	2.614270	2.535	5654.827	ug/L	193.002
>	115	In-1			1093786.420	ug/L	1047518.950
	208	Pb	1.050300	2.946	26357.154	ug/L	580.008
>	169	Tm-1			646885.175	ug/L	617632.929
	50	Cr	3.711301	4.281	88.088	ug/L	-779.597
	53	Cr	-59.064617	5.847	66126.875	ug/L	146747.138
	61	Ni	-3.518770	25.472	2406.260	ug/L	2496.998
	63	Cu	13.066703	0.756	31504.685	ug/L	75.334
	67	Zn	-6.673686	25.462	1576.067	ug/L	2126.057
	66	Zn	4.308050	13.298	3065.514	ug/L	626.730
	76	Se	10.921676	125.925	-127934.028	ug/L	-123663.892
	77	Se	-42.992447	1.953	4781.582	ug/L	12556.637
	78	Se	0.219407	75.489	21014.902	ug/L	20086.225
	79	Br	25759.128444	4.718	21006.355	ug/L	49440.612
>	72	Ge			1021970.708	ug/L	983199.837
	108	Cd	0.487643	4.443	86.400	ug/L	3.199
	114	Cd	0.025668	2.452	213.266	ug/L	59.883

109 Ag	0.006422	80.242	120.336	ug/L	92.335
115 In			1093786.420	ug/L	1047518.950
208 207.977	1.085721	2.998	13889.018	ug/L	307.339
207 Pb	1.086976	1.870	5738.214	ug/L	119.334
206 Pb	0.958138	4.042	6729.922	ug/L	153.335
169 Tm			646885.175	ug/L	617632.929
106 Pd	0.838875	7.942	171.668	ug/L	7.333
83 Kr	-137.702352	203.176	1242.395	ug/L	1214.393

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	109.605
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	103.943
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.417
Pb	208	
Tm-1	169	104.736
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.943
Cd	108	
Cd	114	
Ag	109	
In	115	104.417
207.977	208	
Pb	207	
Pb	206	
Tm	169	104.736
Pd	106	
Kr	83	

Sample ID: H6LTH
Sample Description: G6F020219-3
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 21:43:23
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LTH.055
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 50
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1481356.745	ug/L	1383982.499
>	6	Li-1			494609.908	ug/L	444451.177
	9	Be	-0.003875	47.066	4.333	ug/L	5.000
	44	Ca	527.140330	0.396	224041.009	ug/L	19836.132
	51	V	2.143068	2.987	-6449.224	ug/L	-34019.854
	52	Cr	1.404629	3.330	47808.610	ug/L	29005.332
	55	Mn	5.304561	0.768	108915.339	ug/L	2073.579
	59	Co	0.200619	2.819	3332.301	ug/L	148.001
	60	Ni	0.619614	3.832	2336.437	ug/L	228.665
	65	Cu	28.966068	1.587	89833.234	ug/L	83.825
	68	Zn	4.191032	1.288	6440.703	ug/L	1791.517
	75	As	0.626749	8.481	20251.145	ug/L	17678.522
	82	Se	-0.061180	79.454	1313.104	ug/L	1263.227
	97	Mo	0.035977	54.897	684.027	ug/L	581.020
>	72	Ge-1			1034512.135	ug/L	983199.837
	107	Ag	0.003341	22.569	293.338	ug/L	247.004
	111	Cd	0.036380	4.262	114.856	ug/L	24.946
	121	Sb	-0.109303	2.720	1144.742	ug/L	1915.213
	135	Ba	2.632765	1.505	5696.187	ug/L	193.002
>	115	In-1			1094011.406	ug/L	1047518.950
	208	Pb	1.089535	0.690	27441.006	ug/L	580.008
>	169	Tm-1			649641.410	ug/L	617632.929
	50	Cr	3.458079	7.043	26.920	ug/L	-779.597
	53	Cr	-57.568127	5.780	69170.686	ug/L	146747.138
	61	Ni	-3.199669	40.344	2453.297	ug/L	2496.998
	63	Cu	28.820218	1.064	70242.354	ug/L	75.334
	67	Zn	-5.830031	23.776	1677.119	ug/L	2126.057
	66	Zn	4.422787	3.574	3168.273	ug/L	626.730
	76	Se	4.123697	506.132	-129886.088	ug/L	-123663.892
	77	Se	-41.735050	2.497	5085.702	ug/L	12556.637
	78	Se	-0.204920	99.486	21005.097	ug/L	20086.225
	79	Br	26432.280409	3.527	20464.777	ug/L	49440.612
>	72	Ge			1034512.135	ug/L	983199.837
	108	Cd	0.359999	12.806	64.685	ug/L	3.199
	114	Cd	0.022345	2.796	193.771	ug/L	59.883

	109 Ag	-0.002620	43.549	86.668	ug/L	92.335
>	115 In			1094011.406	ug/L	1047518.950
	208 207.977	1.116477	1.848	14335.735	ug/L	307.339
	207 Pb	1.137116	1.419	6024.074	ug/L	119.334
	206 Pb	1.004612	0.960	7081.198	ug/L	153.335
>	169 Tm			649641.410	ug/L	617632.929
	106 Pd	0.867802	9.528	177.335	ug/L	7.333
	83 Kr	-157.374847	269.374	1246.396	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	111.286
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	105.219
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	104.438
	Pb	208	
>	Tm-1	169	105.182
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	105.219
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	104.438
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	105.182
	Pd	106	
	Kr	83	

Sample ID: CCV 7
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 21:47:33
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 7.056
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1397727.753	ug/L	1383982.499
>	6	Li-1			467496.208	ug/L	444451.177
	9	Be	97.773544	0.433	29354.156	ug/L	5.000
	44	Ca	5089.850892	0.683	1912208.257	ug/L	19836.132
	51	V	99.045066	1.326	1273498.714	ug/L	-34019.854
	52	Cr	99.961320	0.924	1216063.608	ug/L	29005.332
	55	Mn	99.419273	0.982	1931578.177	ug/L	2073.579
	59	Co	98.856302	0.603	1509985.915	ug/L	148.001
	60	Ni	98.810815	1.177	322618.416	ug/L	228.665
	65	Cu	98.992339	0.299	295902.283	ug/L	83.825
	68	Zn	98.467060	0.513	105054.253	ug/L	1791.517
	75	As	98.768714	0.369	268689.307	ug/L	17678.522
	82	Se	97.658625	0.791	26015.436	ug/L	1263.227
	97	Mo	196.428998	1.251	382706.592	ug/L	581.020
>	72	Ge-1			997792.605	ug/L	983199.837
	107	Ag	49.756609	0.846	506518.160	ug/L	247.004
	111	Cd	98.260890	0.587	230553.542	ug/L	24.946
	121	Sb	49.106157	0.969	371297.840	ug/L	1915.213
	135	Ba	99.110982	1.190	198973.303	ug/L	193.002
>	115	In-1			1051406.852	ug/L	1047518.950
	208	Pb	98.555474	0.979	2360157.934	ug/L	580.008
>	169	Tm-1			631570.401	ug/L	617632.929
	50	Cr	98.437025	2.191	22474.422	ug/L	-779.597
	53	Cr	99.654936	4.870	291261.850	ug/L	146747.138
	61	Ni	91.198794	3.563	7318.896	ug/L	2496.998
	63	Cu	99.710682	0.262	234215.721	ug/L	75.334
	67	Zn	95.645500	1.973	11023.412	ug/L	2126.057
	66	Zn	97.936932	0.710	54221.366	ug/L	626.730
	76	Se	80.259694	12.682	-121136.058	ug/L	-123663.892
	77	Se	105.057343	2.214	32474.134	ug/L	12556.637
	78	Se	98.719772	1.111	80334.968	ug/L	20086.225
	79	Br	1330.671658	95.102	48643.192	ug/L	49440.612
>	72	Ge			997792.605	ug/L	983199.837
	108	Cd	98.823814	0.691	16181.026	ug/L	3.199
	114	Cd	98.963726	0.421	558586.531	ug/L	59.883

	109 Ag	50.488465	0.735	181117.085	ug/L	92.335
>	115 In			1051406.852	ug/L	1047518.950
	208 207.977	97.970291	1.339	1195789.854	ug/L	307.339
	207 Pb	98.727903	1.194	497957.308	ug/L	119.334
	206 Pb	99.491969	0.631	666410.772	ug/L	153.335
>	169 Tm			631570.401	ug/L	617632.929
	106 Pd	100.489479	2.287	19693.144	ug/L	7.333
	83 Kr	-537.700656	90.648	1323.737	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	105.185
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	101.484
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.371
	Pb	208	
>	Tm-1	169	102.257
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.484
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.371
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	102.257
	Pd	106	
	Kr	83	

Sample ID: CCB 7
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 21:51:44
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCB 7.057
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1419699.716	ug/L	1383982.499
>	6	Li-1			475057.247	ug/L	444451.177
	9	Be	0.005474	218.338	7.000	ug/L	5.000
	44	Ca	0.996489	32.943	20781.651	ug/L	19836.132
	51	V	-0.258086	105.229	-38453.922	ug/L	-34019.854
	52	Cr	0.591188	2.714	36952.532	ug/L	29005.332
	55	Mn	0.015824	22.430	2444.342	ug/L	2073.579
	59	Co	0.006852	5.718	258.337	ug/L	148.001
	60	Ni	0.009760	37.051	267.511	ug/L	228.665
	65	Cu	0.005427	117.265	102.657	ug/L	83.825
	68	Zn	0.279949	95.872	2140.598	ug/L	1791.517
	75	As	-0.061768	78.868	18027.500	ug/L	17678.522
	82	Se	-0.180189	152.607	1253.343	ug/L	1263.227
	97	Mo	0.027080	276.369	651.025	ug/L	581.020
>	72	Ge-1			1011443.610	ug/L	983199.837
	107	Ag	0.005497	53.020	311.339	ug/L	247.004
	111	Cd	0.004515	74.933	36.592	ug/L	24.946
	121	Sb	-0.007521	486.615	1910.878	ug/L	1915.213
	135	Ba	0.026393	14.000	253.004	ug/L	193.002
>	115	In-1			1078249.290	ug/L	1047518.950
	208	Pb	0.005941	31.201	744.679	ug/L	580.008
>	169	Tm-1			639839.662	ug/L	617632.929
	50	Cr	-0.433803	23.048	-905.889	ug/L	-779.597
	53	Cr	3.773522	48.617	156424.735	ug/L	146747.138
	61	Ni	-4.254636	35.534	2342.545	ug/L	2496.998
	63	Cu	0.002458	268.885	83.334	ug/L	75.334
	67	Zn	-0.343264	304.675	2154.744	ug/L	2126.057
	66	Zn	0.326203	102.194	825.779	ug/L	626.730
	76	Se	13.572501	52.289	-126469.258	ug/L	-123663.892
	77	Se	7.027503	7.241	14255.124	ug/L	12556.637
	78	Se	-0.149381	241.932	20571.233	ug/L	20086.225
	79	Br	1070.385392	83.279	49610.277	ug/L	49440.612
>	72	Ge			1011443.610	ug/L	983199.837
	108	Cd	0.018728	129.693	6.420	ug/L	3.199
	114	Cd	0.003158	55.670	79.835	ug/L	59.883

	109 Ag	0.005716	32.361	116.002	ug/L	92.335
>	115 In			1078249.290	ug/L	1047518.950
	208 207.977	0.005505	21.904	386.675	ug/L	307.339
	207 Pb	0.006051	38.401	154.335	ug/L	119.334
	206 Pb	0.006653	83.275	203.669	ug/L	153.335
>	169 Tm			639839.662	ug/L	617632.929
	106 Pd	-0.005105	321.455	6.333	ug/L	7.333
	83 Kr	-234.422949	138.032	1262.064	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	106.886
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	102.873
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	102.934
	Pb	208	
>	Tm-1	169	103.595
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	102.873
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	102.934
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	103.595
	Pd	106	
	Kr	83	

Sample ID: CCV 8
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 21:55:55
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 8.058
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1400101.714	ug/L	1383982.499
>	6	Li-1			473735.682	ug/L	444451.177
	9	Be	96.937070	0.572	29491.954	ug/L	5.000
	44	Ca	5130.659071	0.604	1927353.237	ug/L	19836.132
	51	V	99.429519	0.317	1278573.291	ug/L	-34019.854
	52	Cr	99.400027	0.664	1209370.435	ug/L	29005.332
	55	Mn	100.174207	1.079	1946110.131	ug/L	2073.579
	59	Co	98.892976	0.960	1510470.186	ug/L	148.001
	60	Ni	98.795221	0.869	322547.850	ug/L	228.665
	65	Cu	99.789967	0.880	298270.303	ug/L	83.825
	68	Zn	98.596118	1.106	105181.404	ug/L	1791.517
	75	As	99.243897	0.505	269886.134	ug/L	17678.522
	82	Se	97.596649	1.544	26000.174	ug/L	1263.227
	97	Mo	198.291897	0.696	386328.007	ug/L	581.020
>	72	Ge-1			997784.959	ug/L	983199.837
	107	Ag	49.737636	1.131	507289.138	ug/L	247.004
	111	Cd	98.518393	1.666	231585.238	ug/L	24.946
	121	Sb	49.324403	0.565	373666.754	ug/L	1915.213
	135	Ba	100.033818	1.580	201199.290	ug/L	193.002
>	115	In-1			1053449.992	ug/L	1047518.950
	208	Pb	98.379161	0.659	2349041.241	ug/L	580.008
>	169	Tm-1			629702.293	ug/L	617632.929
	50	Cr	100.275076	1.728	22906.050	ug/L	-779.597
	53	Cr	97.591855	3.133	288316.176	ug/L	146747.138
	61	Ni	92.761628	2.056	7401.758	ug/L	2496.998
	63	Cu	99.843865	0.739	234520.429	ug/L	75.334
	67	Zn	96.298743	1.327	11083.287	ug/L	2126.057
	66	Zn	98.656216	1.130	54613.805	ug/L	626.730
	76	Se	122.225785	17.118	-118862.697	ug/L	-123663.892
	77	Se	105.266146	1.835	32513.906	ug/L	12556.637
	78	Se	100.218730	0.492	81244.268	ug/L	20086.225
	79	Br	1806.601996	47.002	48097.065	ug/L	49440.612
>	72	Ge			997784.959	ug/L	983199.837
	108	Cd	97.019079	0.389	15916.110	ug/L	3.199
	114	Cd	98.926697	1.280	559426.342	ug/L	59.883

	109 Ag	49.691271	0.906	178609.659	ug/L	92.335
>	115 In			1053449.992	ug/L	1047518.950
	208 207.977	97.472529	1.417	1186255.359	ug/L	307.339
	207 Pb	100.075267	0.698	503256.916	ug/L	119.334
	206 Pb	98.754066	0.453	659528.966	ug/L	153.335
>	169 Tm			629702.293	ug/L	617632.929
	106 Pd	100.943081	0.896	19782.004	ug/L	7.333
	83 Kr	-355.733198	54.153	1286.733	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	106.589
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	101.483
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.566
	Pb	208	
>	Tm-1	169	101.954
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	101.483
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.566
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	101.954
	Pd	106	
	Kr	83	

Sample ID: CCB 8
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 22:00:06
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCB 8.059
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1436746.498	ug/L	1383982.499
>	6	Li-1			478215.696	ug/L	444451.177
	9	Be	0.002085	283.395	6.000	ug/L	5.000
	44	Ca	2.738768	63.033	21588.614	ug/L	19836.132
	51	V	-0.380264	42.207	-40367.813	ug/L	-34019.854
	52	Cr	0.548212	7.104	36691.437	ug/L	29005.332
	55	Mn	0.015717	27.054	2459.346	ug/L	2073.579
	59	Co	0.008038	5.311	278.671	ug/L	148.001
	60	Ni	0.004970	113.081	253.467	ug/L	228.665
	65	Cu	0.005916	60.215	104.849	ug/L	83.825
	68	Zn	-0.136418	32.309	1710.167	ug/L	1791.517
	75	As	0.030821	223.431	18395.700	ug/L	17678.522
	82	Se	-0.102285	124.062	1282.303	ug/L	1263.227
	97	Mo	0.032592	283.020	666.027	ug/L	581.020
>	72	Ge-1			1018604.625	ug/L	983199.837
	107	Ag	0.007194	46.313	331.340	ug/L	247.004
	111	Cd	0.003252	182.637	33.659	ug/L	24.946
	121	Sb	0.005176	499.169	2023.902	ug/L	1915.213
	135	Ba	0.016385	103.143	233.670	ug/L	193.002
>	115	In-1			1086301.107	ug/L	1047518.950
	208	Pb	0.006927	21.046	778.347	ug/L	580.008
>	169	Tm-1			647835.018	ug/L	617632.929
	50	Cr	-0.448601	1.139	-915.910	ug/L	-779.597
	53	Cr	3.284833	80.452	156806.567	ug/L	146747.138
	61	Ni	-6.229230	16.362	2253.146	ug/L	2496.998
	63	Cu	0.005847	177.843	92.001	ug/L	75.334
	67	Zn	-0.375109	314.053	2166.752	ug/L	2126.057
	66	Zn	-0.052188	317.781	620.396	ug/L	626.730
	76	Se	14.010657	51.513	-127338.178	ug/L	-123663.892
	77	Se	5.570794	11.058	14076.588	ug/L	12556.637
	78	Se	-0.171840	103.952	20702.545	ug/L	20086.225
	79	Br	1353.833811	106.103	49623.694	ug/L	49440.612
>	72	Ge			1018604.625	ug/L	983199.837
	108	Cd	0.025090	82.084	7.568	ug/L	3.199
	114	Cd	0.006509	7.949	100.034	ug/L	59.883

	109 Ag	0.004706	84.169	113.002	ug/L	92.335
>	115 In			1086301.107	ug/L	1047518.950
	208 207.977	0.006502	27.625	403.676	ug/L	307.339
	207 Pb	0.007001	34.403	161.335	ug/L	119.334
	206 Pb	0.007644	4.950	213.336	ug/L	153.335
>	169 Tm			647835.018	ug/L	617632.929
	106 Pd	-0.003403	458.258	6.667	ug/L	7.333
	83 Kr	50.820369	362.990	1204.058	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	107.597
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	103.601
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	103.702
	Pb	208	
>	Tm-1	169	104.890
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	103.601
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	103.702
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.890
	Pd	106	
	Kr	83	

Sample ID: H6LTK
Sample Description: G6F020219-4
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 22:04:16
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LTK.060
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 51
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1493797.535	ug/L	1383982.499
>	6	Li-1			497743.836	ug/L	444451.177
	9	Be	-0.005016	60.990	4.000	ug/L	5.000
	44	Ca	593.635988	0.214	252079.189	ug/L	19836.132
	51	V	2.062425	11.433	-7625.761	ug/L	-34019.854
	52	Cr	1.649871	0.528	51315.703	ug/L	29005.332
	55	Mn	6.975514	1.425	143915.024	ug/L	2073.579
	59	Co	0.254447	0.830	4225.353	ug/L	148.001
	60	Ni	0.753566	0.621	2816.595	ug/L	228.665
	65	Cu	11.771796	1.391	36911.906	ug/L	83.825
	68	Zn	7.150497	0.810	9750.763	ug/L	1791.517
	75	As	0.866637	23.940	21083.453	ug/L	17678.522
	82	Se	-0.027735	675.868	1334.542	ug/L	1263.227
	97	Mo	0.190607	14.814	1005.391	ug/L	581.020
>	72	Ge-1			1044490.635	ug/L	983199.837
	107	Ag	-0.002234	94.282	236.003	ug/L	247.004
	111	Cd	0.040125	11.859	124.900	ug/L	24.946
	121	Sb	-0.087406	4.070	1325.434	ug/L	1915.213
	135	Ba	3.933697	2.063	8469.097	ug/L	193.002
>	115	In-1			1101675.824	ug/L	1047518.950
	208	Pb	1.218530	1.729	30563.680	ug/L	580.008
>	169	Tm-1			648571.157	ug/L	617632.929
	50	Cr	4.325126	5.642	241.933	ug/L	-779.597
	53	Cr	-58.984393	4.343	67703.449	ug/L	146747.138
	61	Ni	-4.236553	6.043	2419.937	ug/L	2496.998
	63	Cu	11.859892	1.323	29231.760	ug/L	75.334
	67	Zn	-4.595556	24.049	1812.527	ug/L	2126.057
	66	Zn	7.481068	0.831	4950.585	ug/L	626.730
	76	Se	-13.155994	88.649	-132120.529	ug/L	-123663.892
	77	Se	-43.019389	2.963	4881.621	ug/L	12556.637
	78	Se	0.289915	139.854	21522.441	ug/L	20086.225
	79	Br	26277.530004	3.875	20844.738	ug/L	49440.612
>	72	Ge			1044490.635	ug/L	983199.837
	108	Cd	0.427132	7.799	76.610	ug/L	3.199
	114	Cd	0.026454	12.159	219.313	ug/L	59.883

	109 Ag	-0.005777	56.335	75.334	ug/L	92.335
>	115 In			1101675.824	ug/L	1047518.950
	208 207.977	1.248261	2.886	15960.879	ug/L	307.339
	207 Pb	1.266725	0.627	6685.220	ug/L	119.334
	206 Pb	1.128062	1.403	7917.581	ug/L	153.335
>	169 Tm			648571.157	ug/L	617632.929
	106 Pd	0.959688	3.736	195.336	ug/L	7.333
	83 Kr	-298.356648	81.905	1275.065	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	111.991
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	106.234
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	105.170
	Pb	208	
>	Tm-1	169	105.009
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	106.234
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	105.170
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	105.009
	Pd	106	
	Kr	83	

Sample ID: H6LTL
Sample Description: G6F020219-5
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 22:08:25
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LTL.061
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 52
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1489204.722	ug/L	1383982.499
>	6	Li-1			496493.626	ug/L	444451.177
	9	Be	0.010652	75.504	9.000	ug/L	5.000
	44	Ca	622.130344	0.621	262642.520	ug/L	19836.132
	51	V	2.750619	5.039	1881.570	ug/L	-34019.854
	52	Cr	1.857367	3.059	53786.154	ug/L	29005.332
	55	Mn	9.992493	1.078	204795.363	ug/L	2073.579
	59	Co	0.343952	1.211	5645.154	ug/L	148.001
	60	Ni	1.012009	0.957	3691.956	ug/L	228.665
	65	Cu	36.019858	1.119	112538.102	ug/L	83.825
	68	Zn	6.005374	1.749	8477.105	ug/L	1791.517
	75	As	0.910178	28.073	21158.285	ug/L	17678.522
	82	Se	0.190183	86.997	1389.565	ug/L	1263.227
	97	Mo	0.171565	4.067	964.720	ug/L	581.020
>	72	Ge-1			1042413.374	ug/L	983199.837
	107	Ag	-0.003182	65.249	227.336	ug/L	247.004
	111	Cd	0.047666	27.938	143.917	ug/L	24.946
	121	Sb	-0.110280	3.963	1151.409	ug/L	1915.213
	135	Ba	4.789624	1.922	10324.421	ug/L	193.002
>	115	In-1			1107856.864	ug/L	1047518.950
	208	Pb	1.844448	1.558	46137.573	ug/L	580.008
>	169	Tm-1			651168.390	ug/L	617632.929
	50	Cr	5.466466	10.569	523.361	ug/L	-779.597
	53	Cr	-56.474138	6.579	71314.570	ug/L	146747.138
	61	Ni	-5.389900	35.190	2351.886	ug/L	2496.998
	63	Cu	36.160839	1.141	88787.737	ug/L	75.334
	67	Zn	-4.636944	39.756	1804.858	ug/L	2126.057
	66	Zn	6.213782	4.237	4216.178	ug/L	626.730
	76	Se	2.159027	1403.813	-130986.275	ug/L	-123663.892
	77	Se	-41.369108	4.681	5195.417	ug/L	12556.637
	78	Se	0.274470	59.626	21469.893	ug/L	20086.225
	79	Br	26247.175830	4.611	20839.411	ug/L	49440.612
>	72	Ge			1042413.374	ug/L	983199.837
	108	Cd	0.391234	12.229	70.787	ug/L	3.199
	114	Cd	0.027797	13.438	228.382	ug/L	59.883

	109 Ag	-0.010584	15.889	57.667	ug/L	92.335
>	115 In			1107856.864	ug/L	1047518.950
	208 207.977	1.878556	1.588	23956.419	ug/L	307.339
	207 Pb	1.927261	0.476	10145.546	ug/L	119.334
	206 Pb	1.719937	2.500	12035.608	ug/L	153.335
>	169 Tm			651168.390	ug/L	617632.929
	106 Pd	1.177493	13.627	238.003	ug/L	7.333
	83 Kr	-372.127525	125.551	1290.067	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	111.709
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	106.023
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	105.760
	Pb	208	
>	Tm-1	169	105.430
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	106.023
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	105.760
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	105.430
	Pd	106	
	Kr	83	

Sample ID: H6LTM
Sample Description: G6F020219-6
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 22:12:34
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LTM.062
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 53
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1490990.450	ug/L	1383982.499
>	6	Li-1			494477.074	ug/L	444451.177
	9	Be	-0.008053	39.874	3.000	ug/L	5.000
	44	Ca	501.363943	0.346	216448.553	ug/L	19836.132
	51	V	2.072029	7.193	-7513.039	ug/L	-34019.854
	52	Cr	1.894201	3.065	54417.023	ug/L	29005.332
	55	Mn	6.477646	2.276	133993.122	ug/L	2073.579
	59	Co	0.250655	0.600	4169.993	ug/L	148.001
	60	Ni	0.772331	3.226	2883.811	ug/L	228.665
	65	Cu	13.897422	0.036	43618.323	ug/L	83.825
	68	Zn	4.315192	1.493	6647.191	ug/L	1791.517
	75	As	0.694273	7.797	20651.446	ug/L	17678.522
	82	Se	0.104642	148.103	1371.219	ug/L	1263.227
	97	Mo	0.099060	2.569	820.038	ug/L	581.020
>	72	Ge-1			1045836.897	ug/L	983199.837
	107	Ag	-0.005949	18.837	197.669	ug/L	247.004
	111	Cd	0.046233	14.443	140.806	ug/L	24.946
	121	Sb	-0.165209	3.586	716.696	ug/L	1915.213
	135	Ba	3.019432	2.163	6591.816	ug/L	193.002
>	115	In-1			1108976.618	ug/L	1047518.950
	208	Pb	0.978406	0.845	25133.343	ug/L	580.008
>	169	Tm-1			660929.329	ug/L	617632.929
	50	Cr	4.245812	1.828	222.670	ug/L	-779.597
	53	Cr	-55.880438	6.552	72414.015	ug/L	146747.138
	61	Ni	-5.379448	18.359	2360.559	ug/L	2496.998
	63	Cu	14.086886	1.027	34751.181	ug/L	75.334
	67	Zn	-6.440013	21.888	1635.096	ug/L	2126.057
	66	Zn	4.548244	0.991	3275.049	ug/L	626.730
	76	Se	-2.883580	770.366	-131714.646	ug/L	-123663.892
	77	Se	-41.134256	2.533	5258.106	ug/L	12556.637
	78	Se	0.163482	161.003	21468.884	ug/L	20086.225
	79	Br	25954.286203	4.703	21254.434	ug/L	49440.612
>	72	Ge			1045836.897	ug/L	983199.837
	108	Cd	0.306677	12.070	56.351	ug/L	3.199
	114	Cd	0.020917	13.704	187.936	ug/L	59.883

	109 Ag	-0.009457	19.145	62.001	ug/L	92.335
>	115 In			1108976.618	ug/L	1047518.950
	208 207.977	1.003681	1.078	13145.869	ug/L	307.339
	207 Pb	1.006223	3.519	5436.689	ug/L	119.334
	206 Pb	0.911401	0.935	6550.785	ug/L	153.335
>	169 Tm			660929.329	ug/L	617632.929
	106 Pd	0.956285	1.716	194.669	ug/L	7.333
	83 Kr	-211.471805	46.763	1257.397	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	111.256
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	106.371
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	105.867
	Pb	208	
>	Tm-1	169	107.010
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	106.371
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	105.867
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	107.010
	Pd	106	
	Kr	83	

Sample ID: H6LTN
Sample Description: G6F020219-7
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 22:16:43
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LTN.063
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 54
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1512590.508	ug/L	1383982.499
>	6	Li-1			499656.115	ug/L	444451.177
	9	Be	-0.002971	122.113	4.667	ug/L	5.000
	44	Ca	424.936163	0.519	189094.749	ug/L	19836.132
	51	V	2.069814	4.289	-7633.727	ug/L	-34019.854
	52	Cr	2.544875	1.876	63328.689	ug/L	29005.332
	55	Mn	5.712684	0.870	119947.903	ug/L	2073.579
	59	Co	0.350938	2.119	5850.289	ug/L	148.001
	60	Ni	0.849886	1.397	3190.456	ug/L	228.665
	65	Cu	30.099291	1.134	95590.792	ug/L	83.825
	68	Zn	5.080609	1.080	7585.954	ug/L	1791.517
	75	As	0.583143	19.246	20620.360	ug/L	17678.522
	82	Se	-0.103500	133.525	1333.276	ug/L	1263.227
	97	Mo	-0.034562	23.794	554.684	ug/L	581.020
>	72	Ge-1			1059413.555	ug/L	983199.837
	107	Ag	-0.005276	21.522	205.336	ug/L	247.004
	111	Cd	0.048417	18.559	146.489	ug/L	24.946
	121	Sb	-0.173910	3.329	649.024	ug/L	1915.213
	135	Ba	2.257526	1.872	4990.756	ug/L	193.002
>	115	In-1			1111366.576	ug/L	1047518.950
	208	Pb	1.027655	1.168	26279.637	ug/L	580.008
>	169	Tm-1			658760.826	ug/L	617632.929
	50	Cr	5.050692	3.995	427.427	ug/L	-779.597
	53	Cr	-54.722030	6.901	75129.998	ug/L	146747.138
	61	Ni	-5.408596	23.581	2389.247	ug/L	2496.998
	63	Cu	30.272508	0.306	75555.814	ug/L	75.334
	67	Zn	-5.793758	27.300	1720.476	ug/L	2126.057
	66	Zn	5.375796	2.052	3798.307	ug/L	626.730
	76	Se	-0.656419	641.586	-133287.826	ug/L	-123663.892
	77	Se	-40.652115	3.287	5423.178	ug/L	12556.637
	78	Se	0.065557	638.460	21685.135	ug/L	20086.225
	79	Br	26789.535458	4.732	20515.215	ug/L	49440.612
>	72	Ge			1059413.555	ug/L	983199.837
	108	Cd	0.181106	18.809	34.744	ug/L	3.199
	114	Cd	0.037481	8.846	287.122	ug/L	59.883

109 Ag	-0.009048	3.868	63.667	ug/L	92.335
115 In			1111366.576	ug/L	1047518.950
208 207.977	1.053287	1.254	13733.102	ug/L	307.339
207 Pb	1.058777	2.367	5695.854	ug/L	119.334
206 Pb	0.957511	2.230	6850.681	ug/L	153.335
169 Tm			658760.826	ug/L	617632.929
106 Pd	0.501962	10.778	105.667	ug/L	7.333
83 Kr	-393.437892	48.353	1294.400	ug/L	1214.393

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	112.421
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	107.752
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	106.095
Pb	208	
Tm-1	169	106.659
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	107.752
Cd	108	
Cd	114	
Ag	109	
In	115	106.095
207.977	208	
Pb	207	
Pb	206	
Tm	169	106.659
Pd	106	
Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: H6LTQ
Sample Description: G6F020219-8
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 22:20:53
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LTQ.064
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 55
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1521499.379	ug/L	1383982.499
>	6	Li-1			499889.152	ug/L	444451.177
	9	Be	-0.011286	27.966	2.000	ug/L	5.000
	44	Ca	209.429569	2.116	104071.953	ug/L	19836.132
	51	V	1.741241	11.575	-12228.893	ug/L	-34019.854
	52	Cr	1.405735	2.612	48992.115	ug/L	29005.332
	55	Mn	0.597630	2.473	14554.096	ug/L	2073.579
	59	Co	0.135175	2.110	2352.316	ug/L	148.001
	60	Ni	0.416481	1.335	1689.767	ug/L	228.665
	65	Cu	0.974234	0.636	3182.754	ug/L	83.825
	68	Zn	1.092582	8.026	3147.566	ug/L	1791.517
	75	As	0.543399	23.403	20524.626	ug/L	17678.522
	82	Se	-0.110452	297.985	1332.174	ug/L	1263.227
	97	Mo	-0.085446	8.063	449.678	ug/L	581.020
>	72	Ge-1			1059887.960	ug/L	983199.837
	107	Ag	-0.018544	1.863	63.334	ug/L	247.004
	111	Cd	-0.002868	114.957	19.554	ug/L	24.946
	121	Sb	-0.222867	1.675	262.671	ug/L	1915.213
	135	Ba	0.433864	4.456	1136.741	ug/L	193.002
>	115	In-1			1123733.188	ug/L	1047518.950
	208	Pb	0.115139	1.334	3449.593	ug/L	580.008
>	169	Tm-1			650410.676	ug/L	617632.929
	50	Cr	3.148404	7.018	-49.891	ug/L	-779.597
	53	Cr	-55.249276	7.122	74344.640	ug/L	146747.138
	61	Ni	-4.285372	7.164	2452.962	ug/L	2496.998
	63	Cu	0.949575	2.482	2449.627	ug/L	75.334
	67	Zn	-9.270551	16.167	1378.306	ug/L	2126.057
	66	Zn	1.409974	11.744	1494.692	ug/L	626.730
	76	Se	7.055776	381.824	-132892.340	ug/L	-123663.892
	77	Se	-40.263112	3.896	5501.879	ug/L	12556.637
	78	Se	0.410889	29.242	21917.688	ug/L	20086.225
	79	Br	28113.214656	4.572	18900.335	ug/L	49440.612
>	72	Ge			1059887.960	ug/L	983199.837
	108	Cd	0.208750	36.575	39.977	ug/L	3.199
	114	Cd	-0.005542	31.150	30.843	ug/L	59.883

109 Ag	-0.018346	11.014	28.667	ug/L	92.335
115 In			1123733.188	ug/L	1047518.950
208 207.977	0.114567	2.311	1763.178	ug/L	307.339
207 Pb	0.125669	2.842	778.368	ug/L	119.334
206 Pb	0.108253	3.685	908.047	ug/L	153.335
169 Tm			650410.676	ug/L	617632.929
106 Pd	0.362433	19.935	78.334	ug/L	7.333
83 Kr	-585.240366	27.989	1333.404	ug/L	1214.393

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	112.473
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	107.800
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	107.276
Pb	208	
Tm-1	169	105.307
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	107.800
Cd	108	
Cd	114	
Ag	109	
In	115	107.276
207.977	208	
Pb	207	
Pb	206	
Tm	169	105.307
Pd	106	
Kr	83	

Sample ID: H6LTV
Sample Description: G6F020219-9
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 22:25:03
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LTV.065
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 56
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1515516.202	ug/L	1383982.499
>	6	Li-1			494534.952	ug/L	444451.177
	9	Be	0.005586	118.572	7.333	ug/L	5.000
	44	Ca	863.017518	0.726	361157.887	ug/L	19836.132
	51	V	2.688239	3.445	1039.800	ug/L	-34019.854
	52	Cr	1.879580	4.937	54815.887	ug/L	29005.332
	55	Mn	16.788602	1.064	347354.907	ug/L	2073.579
	59	Co	0.490443	0.083	8093.742	ug/L	148.001
	60	Ni	0.951329	2.283	3533.761	ug/L	228.665
	65	Cu	173.990919	0.272	550843.614	ug/L	83.825
	68	Zn	7.807566	0.834	10596.746	ug/L	1791.517
	75	As	0.970846	13.010	21616.157	ug/L	17678.522
	82	Se	0.221191	72.876	1417.394	ug/L	1263.227
	97	Mo	0.053751	4.935	735.364	ug/L	581.020
>	72	Ge-1			1056942.437	ug/L	983199.837
	107	Ag	0.053181	2.954	838.040	ug/L	247.004
	111	Cd	0.092059	9.969	255.928	ug/L	24.946
	121	Sb	-0.154412	0.888	808.037	ug/L	1915.213
	135	Ba	5.615258	1.164	12167.788	ug/L	193.002
>	115	In-1			1116741.554	ug/L	1047518.950
	208	Pb	1.584098	1.249	39539.119	ug/L	580.008
>	169	Tm-1			648306.425	ug/L	617632.929
	50	Cr	5.913500	18.551	642.563	ug/L	-779.597
	53	Cr	-55.653511	6.984	73551.808	ug/L	146747.138
	61	Ni	-4.757412	40.785	2419.604	ug/L	2496.998
	63	Cu	171.965399	1.138	427807.559	ug/L	75.334
	67	Zn	-3.744165	28.688	1917.923	ug/L	2126.057
	66	Zn	7.919825	1.927	5263.763	ug/L	626.730
	76	Se	15.630662	141.054	-132043.255	ug/L	-123663.892
	77	Se	-40.864425	2.570	5368.487	ug/L	12556.637
	78	Se	0.259945	48.700	21760.093	ug/L	20086.225
	79	Br	26104.253829	4.305	21304.857	ug/L	49440.612
>	72	Ge			1056942.437	ug/L	983199.837
	108	Cd	0.164368	16.761	31.987	ug/L	3.199
	114	Cd	0.070532	7.843	486.582	ug/L	59.883

	109 Ag	0.044888	13.001	269.345	ug/L	92.335
>	115 In			1116741.554	ug/L	1047518.950
	208 207.977	1.613656	2.232	20534.406	ug/L	307.339
	207 Pb	1.666147	2.010	8749.707	ug/L	119.334
	206 Pb	1.468452	1.272	10255.006	ug/L	153.335
>	169 Tm			648306.425	ug/L	617632.929
	106 Pd	1.077098	6.906	218.336	ug/L	7.333
	83 Kr	-367.209239	111.065	1289.067	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	111.269
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	107.500
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	106.608
	Pb	208	
>	Tm-1	169	104.966
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	107.500
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	106.608
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	104.966
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: H6LTX
Sample Description: G6F020219-10
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 22:29:14
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LTX.066
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 57
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1506383.292	ug/L	1383982.499
>	6	Li-1			498843.395	ug/L	444451.177
	9	Be	0.005381	120.844	7.333	ug/L	5.000
	44	Ca	683.747687	0.406	289921.559	ug/L	19836.132
	51	V	2.622828	3.192	125.628	ug/L	-34019.854
	52	Cr	1.917431	5.297	55165.731	ug/L	29005.332
	55	Mn	16.268975	0.837	335926.660	ug/L	2073.579
	59	Co	0.527449	2.085	8672.296	ug/L	148.001
	60	Ni	0.943032	1.414	3497.034	ug/L	228.665
	65	Cu	87.546970	0.358	276600.153	ug/L	83.825
	68	Zn	5.246161	1.576	7734.751	ug/L	1791.517
	75	As	0.742759	20.575	20953.468	ug/L	17678.522
	82	Se	0.116180	224.388	1385.744	ug/L	1263.227
	97	Mo	0.035525	52.278	696.361	ug/L	581.020
>	72	Ge-1			1054607.390	ug/L	983199.837
	107	Ag	0.016706	30.592	446.678	ug/L	247.004
	111	Cd	0.056286	3.811	168.059	ug/L	24.946
	121	Sb	-0.165557	0.422	724.030	ug/L	1915.213
	135	Ba	5.077916	1.934	11098.702	ug/L	193.002
>	115	In-1			1124512.969	ug/L	1047518.950
	208	Pb	1.302697	2.261	33036.186	ug/L	580.008
>	169	Tm-1			656651.972	ug/L	617632.929
	50	Cr	5.298123	14.267	487.160	ug/L	-779.597
	53	Cr	-55.817618	7.041	73135.640	ug/L	146747.138
	61	Ni	-4.301856	45.721	2439.286	ug/L	2496.998
	63	Cu	86.953169	0.457	215882.239	ug/L	75.334
	67	Zn	-6.222421	22.241	1670.448	ug/L	2126.057
	66	Zn	5.444908	0.193	3821.001	ug/L	626.730
	76	Se	17.166618	77.162	-131658.747	ug/L	-123663.892
	77	Se	-40.253885	3.518	5477.869	ug/L	12556.637
	78	Se	0.237745	112.884	21696.730	ug/L	20086.225
	79	Br	25816.537311	4.564	21607.379	ug/L	49440.612
>	72	Ge			1054607.390	ug/L	983199.837
	108	Cd	0.269165	27.629	50.527	ug/L	3.199
	114	Cd	0.035893	9.570	280.956	ug/L	59.883

	109 Ag	0.010325	45.496	138.670	ug/L	92.335
>	115 In			1124512.969	ug/L	1047518.950
	208 207.977	1.336543	3.542	17278.382	ug/L	307.339
	207 Pb	1.359908	2.185	7256.342	ug/L	119.334
	206 Pb	1.197943	2.724	8501.462	ug/L	153.335
>	169 Tm			656651.972	ug/L	617632.929
	106 Pd	1.000527	7.149	203.336	ug/L	7.333
	83 Kr	-354.093984	68.808	1286.400	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	112.238
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	107.263
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	107.350
	Pb	208	
>	Tm-1	169	106.318
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	107.263
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	107.350
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.318
	Pd	106	
	Kr	83	

Sample ID: H6LT1
Sample Description: G6F020219-11
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 22:33:25
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LT1.067
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 58
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1433082.790	ug/L	1383982.499
>	6	Li-1			484397.977	ug/L	444451.177
	9	Be	0.093934	8.519	34.667	ug/L	5.000
	44	Ca	2029.688683	0.450	794003.979	ug/L	19836.132
	51	V	8.054402	2.190	73627.558	ug/L	-34019.854
	52	Cr	2.624076	4.122	62107.106	ug/L	29005.332
	55	Mn	39.985226	0.526	797570.180	ug/L	2073.579
	59	Co	1.235730	0.920	19499.708	ug/L	148.001
	60	Ni	2.093866	0.885	7240.356	ug/L	228.665
	65	Cu	237.638140	0.766	727985.231	ug/L	83.825
	68	Zn	11.235143	1.176	13937.761	ug/L	1791.517
	75	As	2.940995	2.745	26041.943	ug/L	17678.522
	82	Se	0.812819	48.193	1524.993	ug/L	1263.227
	97	Mo	0.724231	1.091	2048.573	ug/L	581.020
>	72	Ge-1			1022711.353	ug/L	983199.837
	107	Ag	0.030369	7.082	575.686	ug/L	247.004
	111	Cd	0.093257	8.954	252.107	ug/L	24.946
	121	Sb	0.036266	20.675	2268.961	ug/L	1915.213
	135	Ba	19.415966	1.654	40455.977	ug/L	193.002
>	115	In-1			1087011.323	ug/L	1047518.950
	208	Pb	2.660913	1.354	66443.110	ug/L	580.008
>	169	Tm-1			652652.512	ug/L	617632.929
	50	Cr	17.099858	3.011	3330.706	ug/L	-779.597
	53	Cr	-58.728110	8.165	66709.160	ug/L	146747.138
	61	Ni	-5.060815	40.316	2325.867	ug/L	2496.998
	63	Cu	226.759110	0.867	545872.658	ug/L	75.334
	67	Zn	-0.421342	388.581	2172.425	ug/L	2126.057
	66	Zn	11.091570	2.794	6873.223	ug/L	626.730
	76	Se	-1.614802	833.383	-128718.665	ug/L	-123663.892
	77	Se	-41.796171	3.859	5017.010	ug/L	12556.637
	78	Se	0.580912	48.075	21254.537	ug/L	20086.225
	79	Br	25766.242112	4.246	21021.385	ug/L	49440.612
>	72	Ge			1022711.353	ug/L	983199.837
	108	Cd	0.062515	42.073	13.865	ug/L	3.199
	114	Cd	0.049598	5.134	351.666	ug/L	59.883

	109 Ag	0.022314	18.964	178.672	ug/L	92.335
>	115 In			1087011.323	ug/L	1047518.950
	208 207.977	2.703496	2.434	34413.562	ug/L	307.339
	207 Pb	2.758928	1.857	14501.007	ug/L	119.334
	206 Pb	2.509512	0.324	17528.541	ug/L	153.335
>	169 Tm			652652.512	ug/L	617632.929
	106 Pd	2.465624	2.938	490.347	ug/L	7.333
	83 Kr	-316.389668	112.008	1278.732	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	108.988
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	104.019
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	103.770
	Pb	208	
>	Tm-1	169	105.670
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	104.019
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	103.770
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	105.670
	Pd	106	
	Kr	83	

Sample ID: H6LT2
Sample Description: G6F020219-12
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 22:37:37
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LT2.068
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 59
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1415785.612	ug/L	1383982.499
>	6	Li-1			485222.051	ug/L	444451.177
	9	Be	0.015676	33.194	10.333	ug/L	5.000
	44	Ca	700.909170	0.958	286638.978	ug/L	19836.132
	51	V	3.036569	2.920	5700.356	ug/L	-34019.854
	52	Cr	1.759974	2.918	51400.230	ug/L	29005.332
	55	Mn	15.763952	0.963	314572.872	ug/L	2073.579
	59	Co	0.481896	1.510	7670.362	ug/L	148.001
	60	Ni	0.995560	1.560	3553.898	ug/L	228.665
	65	Cu	77.459498	0.636	236469.262	ug/L	83.825
	68	Zn	8.103846	1.134	10533.337	ug/L	1791.517
	75	As	0.852024	20.059	20529.526	ug/L	17678.522
	82	Se	0.040010	322.562	1319.395	ug/L	1263.227
	97	Mo	0.077016	20.489	755.033	ug/L	581.020
>	72	Ge-1			1018994.010	ug/L	983199.837
	107	Ag	0.012803	12.703	384.008	ug/L	247.004
	111	Cd	0.050388	15.528	145.534	ug/L	24.946
	121	Sb	-0.155314	1.204	765.700	ug/L	1915.213
	135	Ba	5.616059	0.566	11635.732	ug/L	193.002
>	115	In-1			1067720.601	ug/L	1047518.950
	208	Pb	1.315518	1.023	33196.775	ug/L	580.008
>	169	Tm-1			653351.523	ug/L	617632.929
	50	Cr	6.295854	4.403	711.725	ug/L	-779.597
	53	Cr	-59.017170	5.246	66022.039	ug/L	146747.138
	61	Ni	-7.578917	15.035	2182.096	ug/L	2496.998
	63	Cu	76.609800	0.446	183795.214	ug/L	75.334
	67	Zn	-4.065722	16.416	1818.863	ug/L	2126.057
	66	Zn	8.258258	0.397	5264.097	ug/L	626.730
	76	Se	23.193535	97.515	-126877.385	ug/L	-123663.892
	77	Se	-41.713622	3.871	5014.008	ug/L	12556.637
	78	Se	0.309025	29.150	21008.858	ug/L	20086.225
	79	Br	26161.188948	3.960	20477.807	ug/L	49440.612
>	72	Ge			1018994.010	ug/L	983199.837
	108	Cd	0.320099	23.429	56.417	ug/L	3.199
	114	Cd	0.038906	8.605	284.005	ug/L	59.883

	109 Ag	0.007756	37.313	122.336	ug/L	92.335
>	115 In			1067720.601	ug/L	1047518.950
	208 207.977	1.351375	0.382	17384.252	ug/L	307.339
	207 Pb	1.371760	3.354	7282.699	ug/L	119.334
	206 Pb	1.207827	2.100	8529.824	ug/L	153.335
>	169 Tm			653351.523	ug/L	617632.929
	106 Pd	1.010736	1.912	205.336	ug/L	7.333
	83 Kr	-304.914754	147.626	1276.399	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	109.173
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	103.641
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	101.929
	Pb	208	
>	Tm-1	169	105.783
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	103.641
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	101.929
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	105.783
	Pd	106	
	Kr	83	

Sample ID: H6LT4
Sample Description: G6F020219-13
Batch ID: 6160319
Sample Date/Time: Friday, June 16, 2006 22:41:48
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\H6LT4.069
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 60
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1445905.766	ug/L	1383982.499
>	6	Li-1			486732.148	ug/L	444451.177
	9	Be	-0.011151	48.999	2.000	ug/L	5.000
	44	Ca	246.249810	0.435	114861.327	ug/L	19836.132
	51	V	1.776025	15.663	-11373.276	ug/L	-34019.854
	52	Cr	1.273414	4.363	45822.678	ug/L	29005.332
	55	Mn	0.725230	0.718	16641.143	ug/L	2073.579
	59	Co	0.612230	1.344	9772.789	ug/L	148.001
	60	Ni	0.445223	3.985	1732.614	ug/L	228.665
	65	Cu	4.119526	0.695	12749.126	ug/L	83.825
	68	Zn	3.300102	1.514	5429.017	ug/L	1791.517
	75	As	0.513745	1.646	19794.881	ug/L	17678.522
	82	Se	-0.060191	107.657	1302.855	ug/L	1263.227
	97	Mo	-0.104716	7.170	397.009	ug/L	581.020
>	72	Ge-1			1026297.322	ug/L	983199.837
	107	Ag	-0.018195	6.532	65.667	ug/L	247.004
	111	Cd	0.008007	74.649	45.843	ug/L	24.946
	121	Sb	-0.224993	0.838	240.337	ug/L	1915.213
	135	Ba	6.783934	0.313	14428.553	ug/L	193.002
>	115	In-1			1099269.432	ug/L	1047518.950
	208	Pb	0.316543	1.044	8533.281	ug/L	580.008
>	169	Tm-1			659496.986	ug/L	617632.929
	50	Cr	3.926255	13.308	141.200	ug/L	-779.597
	53	Cr	-57.953574	7.004	68017.496	ug/L	146747.138
	61	Ni	-6.352668	9.258	2263.486	ug/L	2496.998
	63	Cu	4.156611	1.895	10118.696	ug/L	75.334
	67	Zn	-7.941655	12.609	1461.676	ug/L	2126.057
	66	Zn	3.337949	4.780	2533.027	ug/L	626.730
	76	Se	9.177299	62.333	-128572.886	ug/L	-123663.892
	77	Se	-41.870047	4.380	5017.343	ug/L	12556.637
	78	Se	-0.022343	1634.360	20951.866	ug/L	20086.225
	79	Br	28047.113407	4.190	18380.547	ug/L	49440.612
>	72	Ge			1026297.322	ug/L	983199.837
	108	Cd	0.185163	40.094	35.027	ug/L	3.199
	114	Cd	0.003053	85.772	80.861	ug/L	59.883

	109 Ag	-0.020600	3.089	19.667	ug/L	92.335
>	115 In			1099269.432	ug/L	1047518.950
	208 207.977	0.323929	2.560	4455.468	ug/L	307.339
	207 Pb	0.324644	5.484	1837.193	ug/L	119.334
	206 Pb	0.296986	2.115	2240.620	ug/L	153.335
>	169 Tm			659496.986	ug/L	617632.929
	106 Pd	0.411779	15.233	88.000	ug/L	7.333
	83 Kr	-180.325036	177.337	1251.063	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	109.513
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	104.383
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	104.940
	Pb	208	
>	Tm-1	169	106.778
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	104.383
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	104.940
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	106.778
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: CCV 9
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 22:45:59
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCV 9.070
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1400498.200	ug/L	1383982.499
>	6	Li-1			471113.685	ug/L	444451.177
	9	Be	96.729727	0.910	29264.858	ug/L	5.000
	44	Ca	4985.035122	0.710	1906067.862	ug/L	19836.132
	51	V	97.837303	1.158	1279583.225	ug/L	-34019.854
	52	Cr	97.838123	0.582	1211722.810	ug/L	29005.332
	55	Mn	96.665718	0.615	1911044.826	ug/L	2073.579
	59	Co	96.792112	0.418	1504371.403	ug/L	148.001
	60	Ni	96.701189	0.713	321268.604	ug/L	228.665
	65	Cu	97.284897	0.516	295891.920	ug/L	83.825
	68	Zn	95.610609	0.267	103846.943	ug/L	1791.517
	75	As	97.946507	0.974	271271.882	ug/L	17678.522
	82	Se	95.202360	0.445	25838.777	ug/L	1263.227
	97	Mo	193.379196	0.517	383393.666	ug/L	581.020
>	72	Ge-1			1015283.529	ug/L	983199.837
	107	Ag	49.684439	0.456	507156.635	ug/L	247.004
	111	Cd	97.938954	0.695	230421.470	ug/L	24.946
	121	Sb	48.677408	0.463	369078.184	ug/L	1915.213
	135	Ba	100.311109	0.078	201927.092	ug/L	193.002
>	115	In-1			1054210.822	ug/L	1047518.950
	208	Pb	95.793677	2.720	2368313.775	ug/L	580.008
>	169	Tm-1			652189.758	ug/L	617632.929
	50	Cr	100.983335	2.435	23478.469	ug/L	-779.597
	53	Cr	98.804296	3.691	295145.523	ug/L	146747.138
	61	Ni	88.126683	2.250	7283.814	ug/L	2496.998
	63	Cu	97.307393	0.546	232576.040	ug/L	75.334
	67	Zn	93.524301	1.442	11016.721	ug/L	2126.057
	66	Zn	95.215849	0.374	53657.766	ug/L	626.730
	76	Se	76.752677	41.734	-123461.378	ug/L	-123663.892
	77	Se	110.390089	2.366	34064.030	ug/L	12556.637
	78	Se	97.773086	0.985	81157.902	ug/L	20086.225
	79	Br	1985.901060	74.048	48732.915	ug/L	49440.612
>	72	Ge			1015283.529	ug/L	983199.837
	108	Cd	97.194932	1.207	15957.475	ug/L	3.199
	114	Cd	97.182605	1.097	550017.618	ug/L	59.883

	109 Ag	50.021289	0.765	179924.081	ug/L	92.335
>	115 In			1054210.822	ug/L	1047518.950
	208 207.977	95.241491	2.737	1200204.073	ug/L	307.339
	207 Pb	96.034797	2.552	500062.331	ug/L	119.334
	206 Pb	96.618318	3.477	668047.372	ug/L	153.335
>	169 Tm			652189.758	ug/L	617632.929
	106 Pd	99.873810	1.179	19572.535	ug/L	7.333
	83 Kr	-432.781770	12.466	1302.401	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	105.999
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	103.263
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	100.639
	Pb	208	
>	Tm-1	169	105.595
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	103.263
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	100.639
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	105.595
	Pd	106	
	Kr	83	

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**
SOP No. SAC-MT-0001
BJones

Sample ID: CCB 9
Sample Description:
Batch ID:
Sample Date/Time: Friday, June 16, 2006 22:50:10
Method File: C:\elandata\Method\6160308.mth
Dataset File: C:\elandata\Dataset\060616B1\CCB 9.071
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45	Sc			1427969.415	ug/L	1383982.499
6	Li-1			479883.583	ug/L	444451.177
9	Be	-0.000253	3172.145	5.333	ug/L	5.000
44	Ca	2.608118	30.585	21748.998	ug/L	19836.132
51	V	-0.323416	24.400	-39993.752	ug/L	-34019.854
52	Cr	0.806688	2.950	40212.525	ug/L	29005.332
55	Mn	0.020862	10.934	2586.382	ug/L	2073.579
59	Co	0.008985	18.052	296.338	ug/L	148.001
60	Ni	0.014249	42.414	287.146	ug/L	228.665
65	Cu	0.008467	64.370	113.748	ug/L	83.825
68	Zn	-0.335893	11.893	1511.131	ug/L	1791.517
75	As	-0.135855	41.608	18138.142	ug/L	17678.522
82	Se	0.043279	786.896	1332.715	ug/L	1263.227
97	Mo	0.048425	189.234	704.696	ug/L	581.020
72	Ge-1			1028523.849	ug/L	983199.837
107	Ag	0.004558	44.719	301.672	ug/L	247.004
111	Cd	0.004698	34.190	36.965	ug/L	24.946
121	Sb	-0.011009	168.834	1885.537	ug/L	1915.213
135	Ba	0.016277	35.259	232.003	ug/L	193.002
115	In-1			1077638.738	ug/L	1047518.950
208	Pb	0.008560	38.093	824.348	ug/L	580.008
169	Tm-1			652617.673	ug/L	617632.929
50	Cr	-0.531614	16.228	-945.058	ug/L	-779.597
53	Cr	5.639810	27.276	161811.613	ug/L	146747.138
61	Ni	-8.844281	10.005	2133.728	ug/L	2496.998
63	Cu	0.006134	27.386	93.668	ug/L	75.334
67	Zn	-1.302906	81.027	2099.373	ug/L	2126.057
66	Zn	-0.232992	42.437	524.378	ug/L	626.730
76	Se	3.548371	837.733	-129168.821	ug/L	-123663.892
77	Se	12.165914	6.308	15490.259	ug/L	12556.637
78	Se	-0.290831	76.622	20829.698	ug/L	20086.225
79	Br	1523.604797	71.448	49909.815	ug/L	49440.612
72	Ge			1028523.849	ug/L	983199.837
108	Cd	0.043397	37.613	10.568	ug/L	3.199
114	Cd	0.006915	56.617	101.606	ug/L	59.883

	109 Ag	0.001910	91.899	102.002	ug/L	92.335
>	115 In			1077638.738	ug/L	1047518.950
	208 207.977	0.007740	57.016	422.010	ug/L	307.339
	207 Pb	0.009908	26.402	177.668	ug/L	119.334
	206 Pb	0.009038	34.675	224.670	ug/L	153.335
>	169 Tm			652617.673	ug/L	617632.929
	106 Pd	-0.006806	150.000	6.000	ug/L	7.333
	83 Kr	-390.159574	81.509	1293.734	ug/L	1214.393

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	107.972
	Be	9	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	104.610
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
	In-1	115	102.875
	Pb	208	
	Tm-1	169	105.664
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
	Ge	72	104.610
	Cd	108	
	Cd	114	
	Ag	109	
	In	115	102.875
	207.977	208	
	Pb	207	
	Pb	206	
	Tm	169	105.664
	Pd	106	
	Kr	83	

Mercury

G6F020219/G6F020224

STL Sacramento

RUN SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) | Instrument: STL2 (H03) | Reported: 06/19/06 15:28:08

Sequence: 16JUN06C **Date:** 06/16/06 17:26 **Analyst:** phomsophat **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
1	Std01Rep1				0.00	1.0	0.00	ug/L		06/16/06 17:26		☐
2	Std02Rep1	= 0.200			0.00	1.0	0.00	ug/L		06/16/06 17:28		☐
3	Std03Rep1	= 0.500			0.00	1.0	0.00	ug/L		06/16/06 17:30		☐
4	Std04Rep1	= 1.00			0.00	1.0	0.00	ug/L		06/16/06 17:32		☐
5	Std05Rep1	= 5.00			0.00	1.0	0.00	ug/L		06/16/06 17:34		☐
6	Std06Rep1	= 10.0			0.00	1.0	0.00	ug/L		06/16/06 17:36		☐
7	ICV	= 2.00			2.00	1.0	2.00	ug/L	100.0%	06/16/06 17:44		☐
8	ICB				0.01	1.0	0.01	ug/L		06/16/06 17:46		☐
9	H7KDLB	G6F160000	6167314		0.00	1.0	0.00	ug/L		06/16/06 17:48	MTL	☐
10	H7KDLC	G6F160000 = ~~1.80~~0.6	6167314		1.03	1.0	0.62	ug/L	~~34.3%~~ 103	06/16/06 17:50	6/20/06	☐
11	H7KDLL	G6F160000 = ~~1.80~~0.6	6167314		1.01	1.0	0.61	ug/L	~~33.7%~~ 101	06/16/06 17:52		☐
12	H7KDGB	G6F160000	6167316		0.01	1.0	0.00	ug/L		06/16/06 17:53		☐
13	H7KDGC	G6F160000 = ~~1.80~~0.6	6167316		1.01	1.0	0.61	ug/L	~~33.7%~~ 101	06/16/06 17:55		☐
14	H7KDGL	G6F160000 = ~~1.80~~0.6	6167316		1.01	1.0	0.61	ug/L	~~33.7%~~ 101	06/16/06 17:57		☐
15	H6LTF	G6F020219-1	6167314	AIR	0.03	1.0	0.02	ug/L		06/16/06 17:59		☐
16	H6LTG	G6F020219-2	6167314	AIR	0.04	1.0	0.03	ug/L		06/16/06 18:02		☐
17	H6LTH	G6F020219-3	6167314	AIR	0.05	1.0	0.03	ug/L		06/16/06 18:03		☐
18	H6LTK	G6F020219-4	6167314	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:05		☐
19	CCV	= 5.00			5.00	1.0	5.00	ug/L	100.0%	06/16/06 18:07		☐
20	CCB				-0.00	1.0	-0.00	ug/L		06/16/06 18:09		☐
21	H6LTL	G6F020219-5	6167314	AIR	0.05	1.0	0.03	ug/L		06/16/06 18:11		☐
22	H6LTM	G6F020219-6	6167314	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:13		☐
23	H6LTN	G6F020219-7	6167314	AIR	0.03	1.0	0.02	ug/L		06/16/06 18:14		☐
24	H6LTQ	G6F020219-8	6167314	AIR	0.02	1.0	0.01	ug/L		06/16/06 18:16		☐
25	H6LTX	G6F020219-10	6167314	AIR	0.04	1.0	0.03	ug/L		06/16/06 18:18		☐
26	H6LT1	G6F020219-11	6167314	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:20		☐
27	H6LT2	G6F020219-12	6167314	AIR	0.05	1.0	0.03	ug/L		06/16/06 18:22		☐
28	H6LT4	G6F020219-13	6167314	AIR	0.02	1.0	0.01	ug/L		06/16/06 18:23		☐
29	H6LT9	G6F020224-1	6167316	AIR	0.03	1.0	0.02	ug/L		06/16/06 18:26		☐
30	H6LVC	G6F020224-2	6167316	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:27		☐
31	CCV	= 5.00			5.00	1.0	5.00	ug/L	100.0%	06/16/06 18:29		☐
32	CCB				0.00	1.0	0.00	ug/L		06/16/06 18:32		☐
33	H6LVD	G6F020224-3	6167316	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:33		☐
34	H6LVE	G6F020224-4	6167316	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:35		☐

STL Sacramento

RUN SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) Instrument: STL2 (H03) Reported: 06/19/06 15:28:08

Sequence: 16JUN06C **Date:** 06/16/06 17:26 **Analyst:** phomsophat **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
35	H6LVF	G6F020224-5	6167316	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:36		☐
36	H6LVH	G6F020224-6	6167316	AIR	0.04	1.0	0.03	ug/L		06/16/06 18:38		☐
37	H6LVK	G6F020224-7	6167316	AIR	0.04	1.0	0.02	ug/L		06/16/06 18:40		☐
38	H6LVL	G6F020224-8	6167316	AIR	0.06	1.0	0.03	ug/L		06/16/06 18:42		☐
39	H6LVM	G6F020224-9	6167316	AIR	0.05	1.0	0.03	ug/L		06/16/06 18:44		☐
40	H6LVN	G6F020224-10	6167316	AIR	0.06	1.0	0.04	ug/L		06/16/06 18:45		☐
41	H6LVQ	G6F020224-11	6167316	AIR	0.06	1.0	0.03	ug/L		06/16/06 18:47		☐
42	H6LVR	G6F020224-12	6167316	AIR	0.06	1.0	0.04	ug/L		06/16/06 18:49		☐
43	CCV	= 5.00			4.95	1.0	4.95	ug/L	99.0%	06/16/06 18:51		☐
44	CCB				-0.01	1.0	-0.01	ug/L		06/16/06 18:52		☐
45	H6LVT	G6F020224-13	6167316	AIR	0.07	1.0	0.04	ug/L		06/16/06 18:54		☐
46	H6LVV	G6F020224-14	6167316	AIR	0.02	1.0	0.01	ug/L		06/16/06 18:56		☐
47	CCV	= 5.00			4.96	1.0	4.96	ug/L	99.2%	06/16/06 18:58		☐
48	CCB				-0.00	1.0	-0.00	ug/L		06/16/06 19:00		☐

STL Sacramento

CALIBRATION CHECK SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) Instrument: STL2 (H03) Reported: 06/19/06 15:29:12

Sequence: 16JUN06C **Date:** 06/16/06 17:44 **Analyst:** phomsophat **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
7	ICV	= 2.00			2.00	1.0	2.00	ug/L	100.0%	06/16/06 17:44		☐
8	ICB				0.01	1.0	0.01	ug/L		06/16/06 17:46		☐
19	CCV	= 5.00			5.00	1.0	5.00	ug/L	100.0%	06/16/06 18:07		☐
20	CCB				-0.00	1.0	-0.00	ug/L		06/16/06 18:09		☐
31	CCV	= 5.00			5.00	1.0	5.00	ug/L	100.0%	06/16/06 18:29		☐
32	CCB				0.00	1.0	0.00	ug/L		06/16/06 18:32		☐
43	CCV	= 5.00			4.95	1.0	4.95	ug/L	99.0%	06/16/06 18:51		☐
44	CCB				-0.01	1.0	-0.01	ug/L		06/16/06 18:52		☐
47	CCV	= 5.00			4.96	1.0	4.96	ug/L	99.2%	06/16/06 18:58		☐
48	CCB				-0.00	1.0	-0.00	ug/L		06/16/06 19:00		☐

WinHg Database 1.5

File Utility Help

Protocol STL2 Dataset/Proto 16JUN06C/STL2

Protocol | Line info | Cal Curve | Report | Ctrl Chart | Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 2.75907e-4

C 1.41071e-3

Rho .999970

Type Linear

Calibrated

Accepted

Accept

µ Abs.

36335

Accepted

New

Include S1 Rep 1 ☑ 2 ☐ 3 ☐ 4 ☐ 5 ☐

16-Jun-06 17:39 Conc. 10.0

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	.007	.007	22	0	21		
02	.20000	.192	-.008	693	0%	692		
03	.50000	.512	.012	1852	0%	1851		
04	1.0000	1.02	.021	3695	0%	3695		
05	5.0000	4.94	-.059	17903	0%	17903		
06	10.000	10.0	.026	36335	0%	36335		

Ready CAP NUM

CHEMIST INITIAL: TP
DATE OF RUN: 6/16/06
INSTRUMENT ID.: H03
TYPE OF ANALYSIS: Hg
CALIBRATION STD.: 1767-20-6
ICV STD.: 1767-20-7
CCV STD.: 1767-20-6

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 17:26:35 16 Jun 06 HG

Hg .000 ug/L 21

*** Standard: 2 Rep: 1 Seq: 2 17:28:33 16 Jun 06 HG

Hg .200 ug/L 692

*** Standard: 3 Rep: 1 Seq: 3 17:30:20 16 Jun 06 HG

Hg .500 ug/L 1851

*** Standard: 4 Rep: 1 Seq: 4 17:32:18 16 Jun 06 HG

Hg 1.00 ug/L 3695

*** Standard: 5 Rep: 1 Seq: 5 17:34:18 16 Jun 06 HG

Hg 5.00 ug/L 17903

*** Standard: 6 Rep: 1 Seq: 6 17:36:05 16 Jun 06 HG

Hg 10.0 ug/L 36335

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 17:26:35 16 Jun 06 HG

Hg .000 ug/L 21

*** Standard: 2 Rep: 1 Seq: 2 17:28:33 16 Jun 06 HG

Hg .200 ug/L 692

*** Standard: 3 Rep: 1 Seq: 3 17:30:20 16 Jun 06 HG

Hg .500 ug/L 1851

*** Standard: 4 Rep: 1 Seq: 4 17:32:18 16 Jun 06 HG

Hg 1.00 ug/L 3695

*** Standard: 5 Rep: 1 Seq: 5 17:34:18 16 Jun 06 HG

Hg 5.00 ug/L 17903

*** Standard: 6 Rep: 1 Seq: 6 17:36:05 16 Jun 06 HG

Hg 10.0 ug/L 36335

*** Sample ID: ICV Seq: 7 17:44:36 16 Jun 06 HG

Hg 2.00 ug/L .000 % 2.00 100%

*** Sample ID: ICB Seq: 8 17:46:33 16 Jun 06 HG

Hg .012 ug/L .000 % .012

*** Sample ID: H7KDLB Seq: 9 17:48:10 16 Jun 06 HG
G6F160000-314

Hg .005 ug/L .000 % .005

*** Sample ID: H7KDLC Seq: 10 17:50:28 16 Jun 06 HG
G6F160000-314

Hg 1.03 ug/L .000 % 1.03 103%

*** Sample ID: H7KDLL Seq: 11 17:52:07 16 Jun 06 HG
G6F160000-314

Hg 1.01 ug/L .000 % 1.01 101%

*** Sample ID: H7KDGB Seq: 12 17:53:44 16 Jun 06 HG
G6F160000-316

Hg .008 ug/L .000 % .008

*** Sample ID: H7KDGC Seq: 13 17:55:55 16 Jun 06 HG
G6F160000-316

Hg 1.01 ug/L .000 % 1.01 101%

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: H7KDGL                Seq:  14     17:57:34 16 Jun 06   HG
                          G6F160000-316
Hg    1.01    ug/L      .000  %   1.01
                                                                          =
=============================================================================
*** Sample ID: H6LTF                 Seq:  15     17:59:23 16 Jun 06   HG
                          G6F020219-1
Hg    .032    ug/L      .000  %   .032
                                                                          =
=============================================================================
*** Sample ID: H6LTG                 Seq:  16     18:02:02 16 Jun 06   HG
                          G6F020219-2
Hg    .042    ug/L      .000  %   .042
                                                                          =
=============================================================================
*** Sample ID: H6LTH                 Seq:  17     18:03:39 16 Jun 06   HG
                          G6F020219-3
Hg    .050    ug/L      .000  %   .050
                                                                          =
=============================================================================
*** Sample ID: H6LTK                 Seq:  18     18:05:35 16 Jun 06   HG
                          G6F020219-4
Hg    .039    ug/L      .000  %   .039
                                                                          =
=============================================================================
*** Sample ID: CCV                   Seq:  19     18:07:41 16 Jun 06   HG

Hg    5.00    ug/L      .000  %   5.00
                                                                          =
=============================================================================
*** Sample ID: CCB                   Seq:  20     18:09:18 16 Jun 06   HG

Hg   -.004    ug/L      .000  %  -.004
                                                                          =
=============================================================================
*** Sample ID: H6LTL                 Seq:  21     18:11:25 16 Jun 06   HG
                          G6F020219-5
Hg    .045    ug/L      .000  %   .045
                                                                          =
=============================================================================
*** Sample ID: H6LTM                 Seq:  22     18:13:22 16 Jun 06   HG
                          G6F020219-6
Hg    .035    ug/L      .000  %   .035
                                                                          =
=============================================================================
*** Sample ID: H6LTN                 Seq:  23     18:14:58 16 Jun 06   HG
                          G6F020219-7
Hg    .031    ug/L      .000  %   .031
                                                                          =
=============================================================================
*** Sample ID: H6LTQ                 Seq:  24     18:16:34 16 Jun 06   HG
                          G6F020219-8
Hg    .019    ug/L      .000  %   .019
                                                                          =
=============================================================================
*** Sample ID: H6LTX                 Seq:  25     18:18:55 16 Jun 06   HG
                          G6F020219-10
Hg    .042    ug/L      .000  %   .042
                                                                          =
=============================================================================
```

101%

100%

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: H6LT1                 Seq:  26     18:20:32 16 Jun 06   HG
                          G6F020219-11
Hg    .036    ug/L      .000  %   .036
                                                                          =
=============================================================================
*** Sample ID: H6LT2                 Seq:  27     18:22:09 16 Jun 06   HG
                          G6F020219-12
Hg    .052    ug/L      .000  %   .052
                                                                          =
=============================================================================
*** Sample ID: H6LT4                 Seq:  28     18:23:47 16 Jun 06   HG
                          G6F020219-13
Hg    .022    ug/L      .000  %   .022
                                                                          =
=============================================================================
*** Sample ID: H6LT9                 Seq:  29     18:26:04 16 Jun 06   HG
                          G6F020224-1
Hg    .031    ug/L      .000  %   .031
                                                                          =
=============================================================================
*** Sample ID: H6LVC                 Seq:  30     18:27:53 16 Jun 06   HG
                          G6F020224-2
Hg    .041    ug/L      .000  %   .041
                                                                          =
=============================================================================
*** Sample ID: CCV                   Seq:  31     18:29:45 16 Jun 06   HG

Hg    5.00    ug/L      .000  %   5.00     100./
                                                                          =
=============================================================================
*** Sample ID: CCB                   Seq:  32     18:32:06 16 Jun 06   HG

Hg    .003    ug/L      .000  %   .003
                                                                          =
=============================================================================
*** Sample ID: H6LVD                 Seq:  33     18:33:43 16 Jun 06   HG
                          G6F020224-3
Hg    .038    ug/L      .000  %   .038
                                                                          =
=============================================================================
*** Sample ID: H6LVE                 Seq:  34     18:35:20 16 Jun 06   HG
                          G6F020224-4
Hg    .039    ug/L      .000  %   .039
                                                                          =
=============================================================================
*** Sample ID: H6LVF                 Seq:  35     18:36:59 16 Jun 06   HG
                          G6F020224-5
Hg    .041    ug/L      .000  %   .041
                                                                          =
=============================================================================
*** Sample ID: H6LVH                 Seq:  36     18:38:39 16 Jun 06   HG
                          G6F020224-6
Hg    .044    ug/L      .000  %   .044
                                                                          =
=============================================================================
*** Sample ID: H6LVK                 Seq:  37     18:40:21 16 Jun 06   HG
                          G6F020224-7
Hg    .037    ug/L      .000  %   .037
                                                                          =
=============================================================================
```

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: H6LVL Seq: 38 18:42:05 16 Jun 06 HG
G6F020224-8
Hg .056 ug/L .000 % .056

*** Sample ID: H6LVM Seq: 39 18:44:04 16 Jun 06 HG
G6F020224-9
Hg .054 ug/L .000 % .054

*** Sample ID: H6LVN Seq: 40 18:45:56 16 Jun 06 HG
G6F020224-10
Hg .064 ug/L .000 % .064

*** Sample ID: H6LVQ Seq: 41 18:47:35 16 Jun 06 HG
G6F020224-11
Hg .058 ug/L .000 % .058

*** Sample ID: H6LVR Seq: 42 18:49:13 16 Jun 06 HG
G6F020224-12
Hg .065 ug/L .000 % .065

*** Sample ID: CCV Seq: 43 18:51:15 16 Jun 06 HG
Hg 4.95 ug/L .000 % 4.95 99%

*** Sample ID: CCB Seq: 44 18:52:53 16 Jun 06 HG
Hg -.008 ug/L .000 % -.008

*** Sample ID: H6LVT Seq: 45 18:54:44 16 Jun 06 HG
G6F020224-13
Hg .067 ug/L .000 % .067

*** Sample ID: H6LVV Seq: 46 18:56:54 16 Jun 06 HG
G6F020224-14
Hg .023 ug/L .000 % .023

*** Sample ID: CCV Seq: 47 18:58:53 16 Jun 06 HG
Hg 4.96 ug/L .000 % 4.96 99%

*** Sample ID: CCB Seq: 48 19:00:37 16 Jun 06 HG
Hg -.005 ug/L .000 % -.005

STL Sacramento
Hg Data Review Checklist

SEVERN TRENT STL

Run Date: TP 6/16/06 **Analyst:** TP **Instrument** H03

Prep Batches Run: 6167314 / 6167316

Circle Methods Used: **7470A / 245.1** **7471 / 245.5**

A. Calibration/Instrument Run QC	Yes	No	N/A	2ndLevel
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within ± RL?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?			✓	✓
4. MSD or DU run at required frequency and RPD within SOP limits?			✓	✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and transcriptions checked for error?	✓			✓
4. All client / project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Analyst: TP Date: 6/19/06

Comments:

2nd Level Reviewer: [illegible] Date: 6/20/06

Comments:

q:\forms\checklists\qa-506_hg_review.doc

QA-506 Hg Review
ERS 7/13/04

G6F020219

STL Sacramento

RUN SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) | Instrument: STL2 (H03) | Reported: 06/20/06 11:39:56

Sequence: 19JUN06B **Date:** 06/19/06 19:45 **Analyst:** phomsophat **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
1	Std01Rep1				0.00	1.0	0.00	ug/L		06/19/06 19:45		☐
2	Std02Rep1	= 0.200			0.00	1.0	0.00	ug/L		06/19/06 19:46		☐
3	Std03Rep1	= 0.500			0.00	1.0	0.00	ug/L		06/19/06 19:48		☐
4	Std04Rep1	= 1.00			0.00	1.0	0.00	ug/L		06/19/06 19:50		☐
5	Std05Rep1	= 5.00			0.00	1.0	0.00	ug/L		06/19/06 19:52		☐
6	Std06Rep1	= 10.0			0.00	1.0	0.00	ug/L		06/19/06 19:53		☐
7	ICV	= 2.00			1.90	1.0	1.90	ug/L	95.0%	06/19/06 19:59		☐
8	ICB				0.03	1.0	0.03	ug/L		06/19/06 20:01		☐
9	H7PXXB	G6F190000	6170610		0.03	1.0	0.02	ug/L		06/19/06 20:03		☐
10	H7PXXC	G6F190000 = 1.80	6170610		0.98	1.0	0.59	ug/L	32.7%	06/19/06 20:05		☐
11	H7PXXL	G6F190000 = 1.80	6170610		0.98	1.0	0.59	ug/L	32.6%	06/19/06 20:06		☐
12	H6LTV	G6F020219-9	6170610	AIR	0.03	1.0	0.02	ug/L		06/19/06 20:08		☐
13	CCV	= 5.00			4.98	1.0	4.98	ug/L	99.6%	06/19/06 20:10		☐
14	CCB				0.03	1.0	0.03	ug/L		06/19/06 20:12		☐

STL Sacramento

CALIBRATION CHECK SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) Instrument: STL2 (H03) Reported: 06/20/06 11:40:01

Sequence: 19JUN06B **Date:** 06/19/06 19:59 **Analyst:** phomsophat **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
7	ICV	= 2.00			1.90	1.0	1.90	ug/L	95.0%	06/19/06 19:59		☐
8	ICB				0.03	1.0	0.03	ug/L		06/19/06 20:01		☐
13	CCV	= 5.00			4.98	1.0	4.98	ug/L	99.6%	06/19/06 20:10		☐
14	CCB				0.03	1.0	0.03	ug/L		06/19/06 20:12		☐

WinHg Database 1.5

File Utility Help

Protocol STL2 Dataset/Proto 19JUN06B/STL2

Protocol | Line info | Cal Curve | Report | Ctrl Chart | Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 3.14375e-4

C 1.38981e-2

Rho 999973

Type Linear

Calibrated

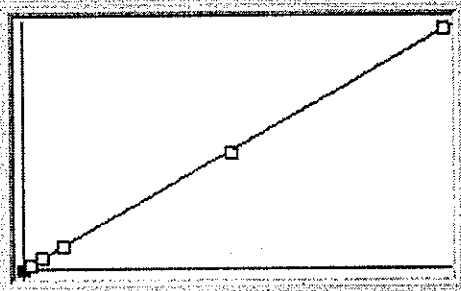
Accepted

Accept

µ Abs. 31851

Accepted

New



Include S1 Rep 1 ☑ 2 ☐ 3 ☐ 4 ☐ 5 ☐

19-Jun-06 19:58 Conc. 10.0

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	.019	.019	16	1	16		
02	.20000	.216	.016	644	0%	644		
03	.50000	.503	.003	1557	0%	1557		
04	1.0000	.988	-.012	3098	0%	3098		
05	5.0000	4.95	-.054	15690	0%	15690		
06	10.000	10.0	.027	31852	0%	31851		

Ready CAP NUM

CHEMIST INITIAL: TP
DATE OF RUN: 6/19/06
INSTRUMENT ID.: #03
TYPE OF ANALYSIS: Hg
CALIBRATION STD.: 1767-20-10
ICV STD.: 1767-20-11
CCV STD.: 1767-20-10

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 19:45:12 19 Jun 06 HG

Hg .000 ug/L 16

*** Standard: 2 Rep: 1 Seq: 2 19:46:54 19 Jun 06 HG

Hg .200 ug/L 644

*** Standard: 3 Rep: 1 Seq: 3 19:48:32 19 Jun 06 HG

Hg .500 ug/L 1557

*** Standard: 4 Rep: 1 Seq: 4 19:50:10 19 Jun 06 HG

Hg 1.00 ug/L 3098

*** Standard: 5 Rep: 1 Seq: 5 19:52:07 19 Jun 06 HG

Hg 5.00 ug/L 15690

*** Standard: 6 Rep: 1 Seq: 6 19:53:50 19 Jun 06 HG

Hg 10.0 ug/L 31851

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  1       19:45:12 19 Jun 06   HG

Hg    .000    ug/L     16

*** Standard: 2 Rep: 1              Seq:  2       19:46:54 19 Jun 06   HG

Hg    .200    ug/L     644

*** Standard: 3 Rep: 1              Seq:  3       19:48:32 19 Jun 06   HG

Hg    .500    ug/L     1557

*** Standard: 4 Rep: 1              Seq:  4       19:50:10 19 Jun 06   HG

Hg    1.00    ug/L     3098

*** Standard: 5 Rep: 1              Seq:  5       19:52:07 19 Jun 06   HG

Hg    5.00    ug/L     15690

*** Standard: 6 Rep: 1              Seq:  6       19:53:50 19 Jun 06   HG

Hg    10.0    ug/L     31851

*** Sample ID: ICV                   Seq:  7       19:59:59 19 Jun 06   HG

Hg    1.90    ug/L      .000  %   1.90

===============================================================================
*** Sample ID: ICB                   Seq:  8       20:01:50 19 Jun 06   HG

Hg    .030    ug/L      .000  %   .030
                                                                          =
===============================================================================
*** Sample ID: H7PXXB                Seq:  9       20:03:41 19 Jun 06   HG
                           G6F190000-610
Hg    .026    ug/L      .000  %   .026
                                                                          =
===============================================================================
*** Sample ID: H7PXXC                Seq:  10      20:05:22 19 Jun 06   HG
                           G6F190000-610
Hg    .980    ug/L      .000  %   .980
                                                                          =
===============================================================================
*** Sample ID: H7PXXL                Seq:  11      20:06:58 19 Jun 06   HG
                           G6F190000-610
Hg    .979    ug/L      .000  %   .979
                                                                          =
===============================================================================
*** Sample ID: H6LTV                 Seq:  12      20:08:55 19 Jun 06   HG
                           G6F020219-9
Hg    .034    ug/L      .000  %   .034
                                                                          =
===============================================================================
*** Sample ID: CCV                   Seq:  13      20:10:34 19 Jun 06   HG

Hg    4.98    ug/L      .000  %   4.98
                                                                          =
===============================================================================
```

POST-RUN REPORT

Line	Conc.	Units	SD/RSD		1	2	3	4	5

*** Sample ID: CCB Seq: 14 20:12:21 19 Jun 06 HG

Hg	.030	ug/L	.000	%	.030

=

STL Sacramento
Hg Data Review Checklist

SEVERN TRENT STL

Run Date: 6/19/06 **Analyst:** TP **Instrument** H03

Prep Batches Run: 6170610

Circle Methods Used: **7470A / 245.1** **7471 / 245.5**

A. Calibration/Instrument Run QC	Yes	No	N/A	2ndLevel
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within ± RL?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?			✓	✓
4. MSD or DU run at required frequency and RPD within SOP limits?			✓	✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and transcriptions checked for error?	✓			✓
4. All client / project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Analyst: TP Date: 6/20/06

Comments:

2nd Level Reviewer: MH Date: 6/20/06

Comments:

q:\forms\checklists\qa-506_hg_review.doc

QA-506 Hg Review
ERS 7/13/04

Sample Preparation Log

STL SACRAMENTO
Metals - Air Toxics - Preparation Log

Date: 9-Jun-06 **Analyst:** merrittn **Matrix:** AIR

Fraction: Filter **SOP:** **Method:** ICPMS

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G6F090000	319	H64G4B	2A	NA	NA	NA	100	6160319	1.2
G6F090000	319	H64G4C	2A	NA	NA	NA	100	6160319	1.2
G6F090000	319	H64G4L	2A	NA	NA	NA	100	6160319	1.2
G6F020219	1	H6LTF	2A	9	0.75	0.75	100	6160319	1.2
G6F020219	2	H6LTG	2A	9	0.75	0.75	100	6160319	1.2
G6F020219	3	H6LTH	2A	9	0.75	0.75	100	6160319	1.2
G6F020219	4	H6LTK	2A	9	0.75	0.75	100	6160319	1.2
G6F020219	5	H6LTL	2A	9	0.75	0.75	100	6160319	1.2
G6F020219	6	H6LTM	2A	9	0.75	0.75	100	6160319	1.2
G6F020219	7	H6LTN	2A	9	0.75	0.75	100	6160319	1.2
G6F020219	8	H6LTQ	2A	9	0.75	0.75	100	6160319	1.2
G6F020219	9	H6LTV	2A	9	0.75	0.75	100	6160319	1.2
G6F020219	10	H6LTX	2A	9	0.75	0.75	100	6160319	1.2
G6F020219	11	H6LT1	2A	9	0.75	0.75	100	6160319	1.2
G6F020219	12	H6LT2	2A	9	0.75	0.75	100	6160319	1.2
G6F020219	13	H6LT4	2A	9	0.75	0.75	100	6160319	1.2
Mbcontrol	1	F1815158	2A	9	0.75	0.75	100	6160319	1.2

For 1" filter: factor = 9 (9/1)
For 0.75" filter factor = 12 (9/0.75)

Page 1 of 1
QA-372B mlt 02/20/03

STL Sacramento
Metals Preparation Spiking
Documentation Form

SEVERN TRENT STL

Lot # G6F020219

Batch Number: 6160319 Method: 6020 Spiked Date: 06/09/06

MS Run #: N/A Prep Code: 2A Hot Plate Microwave ID: 4

Analyst Initial/Date: 06/09/06 NM Witness Initial/Date: TP 6/9/06 Hot Plate Temp: 90

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO_3	Ca, Mg Al, As, Ba, Se, Sn, Tl Fe,Mo,Ti Sb,Co,Pb,Mn,Ni,V,Zn Cu Cr ,Be,Cd Ag	5,000 200 100 50 25 20 5 5				
	ICP Part 2 2% HNO_3	K,Na P,S B,Li,Sr	5,000 1,000 100				
	~~Si H20/Tr HF~~	Si	1,000		06/09/06 NM		
	XCAL-45 5% HNO_3	Al,K,Mg,Ca,Na,Fe,P,B,Si As,Be,Cd,Cr,Co,Cu,Pb, Mn,Mo,Ni,Se,U,V,Zn,Ba, Li Sn,Sr,Ti Sb,Ag,Tl	50 10 2.5	1774-Met 7-8	2.0 mL	N/A	11/07
	Misc. Elements						

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO_3	Mallinckrodt	C02065		30% H_2O_2	Mallinckrodt	
	37% HCl	Mallinckrodt			49% HF	Fisher	06/09/06 NM

ICP matrix spike and LCS: For final volumes of 100ml, add 1ml from bottles ICP Part 1, ICP Part 2. Add 1ml of Silica (Si) when requested.
ICPMS matrix spike and LCS: For final volumes of 100ml, add 2ml of XCAL-45.
Amount to spike is as listed above for final volumes of 100ml. If a different final volume is used, increase or decrease the amount you spike proportionally.

QA-400 ERS 4/15/05

STL SACRAMENTO
Metals - Air Toxics - Preparation Log

Date: 9-Jun-06 **Analyst:** merrittn **Matrix:** AIR

Fraction: Filter **SOP:** **Method:** ICPTRACE

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G6F090000	323	H64HQB	2A	NA	NA	NA	100	6160323	1.2
G6F090000	323	H64HQC	2A	NA	NA	NA	100	6160323	1.2
G6F090000	323	H64HQL	2A	NA	NA	NA	100	6160323	1.2
G6F020219	1	H6LTF	2A	9	0.75	0.75	100	6160323	1.2
G6F020219	2	H6LTG	2A	9	0.75	0.75	100	6160323	1.2
G6F020219	3	H6LTH	2A	9	0.75	0.75	100	6160323	1.2
G6F020219	4	H6LTK	2A	9	0.75	0.75	100	6160323	1.2
G6F020219	5	H6LTL	2A	9	0.75	0.75	100	6160323	1.2
G6F020219	6	H6LTM	2A	9	0.75	0.75	100	6160323	1.2
G6F020219	7	H6LTN	2A	9	0.75	0.75	100	6160323	1.2
G6F020219	8	H6LTQ	2A	9	0.75	0.75	100	6160323	1.2
G6F020219	9	H6LTV	2A	9	0.75	0.75	100	6160323	1.2
G6F020219	10	H6LTX	2A	9	0.75	0.75	100	6160323	1.2
G6F020219	11	H6LT1	2A	9	0.75	0.75	100	6160323	1.2
G6F020219	12	H6LT2	2A	9	0.75	0.75	100	6160323	1.2
G6F020219	13	H6LT4	2A	9	0.75	0.75	100	6160323	1.2
Mbcontrol	1	F1815158	2A	9	0.75	0.75	100	6160323	1.2

For 1" filter: factor = 9 (9/1)
For 0.75" filter factor = 12 (9/0.75)

STL Sacramento
Metals Preparation Spiking
Documentation Form

SEVERN TRENT STL

Lot # G6F020219

Batch Number: 6160323 Method: 6010 Spiked Date: 06/09/06

MS Run #: N/A Prep Code: 2A Hot Plate Microwave ID: 4

Analyst Initial/Date: 06/09/06 NA Witness Initial/Date: TP 6/9/06 Hot Plate Temp: 90

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
✓	ICP Part 1 5% HNO_3	Ca, Mg Al, As, Ba, Se, Sn, Tl Fe,Mo,Ti Sb,Co,Pb,Mn,Ni,V,Zn Cu Cr ,Be,Cd Ag	5,000 200 100 50 25 20 5 5	1774-Met-7-5	1.0 mL	N/A	11/06
✓	ICP Part 2 2% HNO_3	K,Na P,S B,Li,Sr	5,000 1,000 100	1774-Met 7-10	1.0 mL	N/A	11/06
	~~Si H20/Tl HF~~	Si	1,000				
	XCAL-45 5% HNO_3	Al,K,Mg,Ca,Na,Fe,P,B,Si As,Be,Cd,Cr,Co,Cu,Pb, Mn,Mo,Ni,Se,U,V,Zn,Ba, Li Sn,Sr,Ti Sb,Ag,Tl	50 10 2.5				
	Misc. Elements			06/09/06 NN			

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO_3	Mallinckrodt	C02065		~~30% H_2O_2~~	Mallinckrodt	
	37% HCl	Mallinckrodt			49% HF	Fisher	06/09/06 NN

ICP matrix spike and LCS: For final volumes of 100ml, add 1ml from bottles ICP Part 1, ICP Part 2. Add 1ml of Silica (Si) when requested.
ICPMS matrix spike and LCS: For final volumes of 100ml, add 2ml of XCAL-45.
Amount to spike is as listed above for final volumes of 100ml. If a different final volume is used, increase or decrease the amount you spike proportionally.

QA-400 ERS 4/15/05

STL Sacramento
Mercury Sample Preparation Log

STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.
0	Std1Rep1	<2	AQUEOUS	50	50
0.2	Std2Rep1	<2	AQUEOUS	50	50
0.5	Std3Rep1	<2	AQUEOUS	50	50
1	Std4Rep1	<2	AQUEOUS	50	50
5	Std5Rep1	<2	AQUEOUS	50	50
10	Std6Rep1	<2	AQUEOUS	50	50
ICV	ICV	<2	AQUEOUS	50	50
ICB	ICB	<2	AQUEOUS	50	50
G6F160000-313	H7KC3B		AQUEOUS	50	50
G6F160000-313	H7KC3C		AQUEOUS	50	50
G6F030201-1	H6N2PS		SOLID	0.6	50
G6F030201-1	H6N2P		SOLID	0.6	50
G6F030201-1	H6N2PD		SOLID	0.6	50
G6F030201-2	H6N2R		SOLID	0.6	50
G6F030201-3	H6N2T		SOLID	0.6	50
G6F160000-316	H7KDGB		AQUEOUS	50	50
G6F160000-316	H7KDGC		AQUEOUS	50	50
G6F160000-316	H7KDGL		AQUEOUS	50	50
G6F020224-1	H6LT9		AIR	0.75	50
G6F020224-2	H6LVC		AIR	0.75	50
G6F020224-3	H6LVD		AIR	0.75	50
G6F020224-4	H6LVE		AIR	0.75	50
G6F020224-5	H6LVF		AIR	0.75	50
G6F020224-6	H6LVH		AIR	0.75	50
G6F020224-7	H6LVK		AIR	0.75	50
G6F020224-8	H6LVL		AIR	0.75	50
G6F020224-9	H6LVM		AIR	0.75	50
G6F020224-11	H6LVQ		AIR	0.75	50
G6F020224-12	H6LVR		AIR	0.75	50
G6F020224-13	H6LVT		AIR	0.75	50
G6F020224-14	H6LVV		AIR	0.75	50
G6F160000-314	H7KDLB		AQUEOUS	50	50
G6F160000-314	H7KDLC		AQUEOUS	50	50
G6F160000-314	H7KDLL		AQUEOUS	50	50
G6F020219-1	H6LTF		AIR	0.75	50
G6F020219-2	H6LTG		AIR	0.75	50
G6F020219-3	H6LTH		AIR	0.75	50
G6F020219-4	H6LTK		AIR	0.75	50

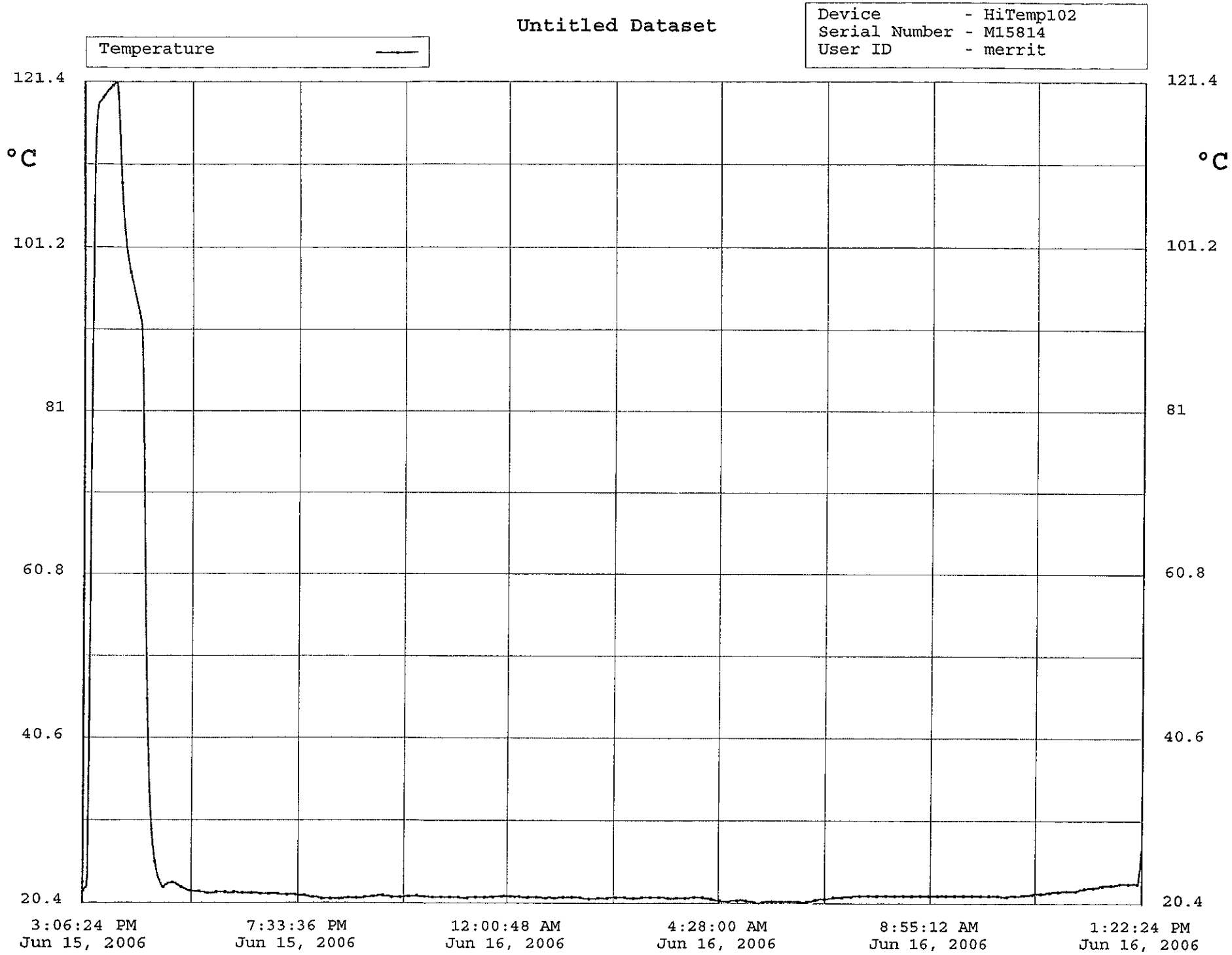
Chemist:	phomsophat	**Date:**	06/15/06
SOP#:	SAC-MT-0005		
Autoclave: Start Time:	15:00		16:00
Balance ID:	QA-007	**Calibrated:**	NA
STANDARDS:			
Initial Calibration Standard (ICV)			
Tracking#	1767-20-7	Conc:	100ppb
Calibration Stds./CCV/Matrix Spike/LCSW			
Tracking#	1767-20-6	Conc:	100ppb

LCS/1.0	500 ul	
MS/SD 1.0	500 ul	
ICV/2.0	1.0 ml	
WATER (30/30ml), DI Leach (30/30)		
STLC (3/30 ml), TCLP (6/30ml)		
Curve/QC (ppb)	Spike Volume	
0.0	0.0 ul	/ Soils 0.0ul
0.2	60 ul	/ 100ul
0.5	150 ul	/ 250ul
1.0	300 ul	/ 0.5mL
5.0	1.5 ml	/ 2.5mL
10.0	3.0 ml	/ 5.0mL
CCV/5.0	1.5 ml	/ 2.5mL
LCS/1.0	300 ul	/ 0.5mL
MS/SD 1.0	300 ul	/ 1.5 mL
ICV/2.0	600 ul	/ 1.0mL
REAGENTS:		
KMnO4 Lot#: 2626-Met-38-7		
K2S2O8 Lot#: 2626-met-40-4		
NaCl(NH2OH)2626-MET-40-5		
Stannous Chloride Lot# 2626-44-3		
H2S04 Lot#C05024		

QA392 Rev.2/21/2003

STL Sacramento
Mercury Sample Preparation Log

STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.	Chemist:	phomsophat	Date:	06/15/06
G6F020219-5	H6LTL		AIR	0.75	50				
G6F020219-6	H6LTM		AIR	0.75	50				
G6F020219-7	H6LTN		AIR	0.75	50				
G6F020219-8	H6LTQ		AIR	0.75	50				
G6F020219-10	H6LTX		AIR	0.75	50				
G6F020219-11	H6LT1		AIR	0.75	50				
G6F020219-12	H6LT2		AIR	0.75	50				
G6F020219-13	H6LT4		AIR	0.75	50				
MDL-MB			AQUEOUS	50	50				
MDL-1	0.2		AQUEOUS	50	50				
MDL-2	0.2		AQUEOUS	50	50				
MDL-3	0.2		AQUEOUS	50	50				
MDL-4	0.2		AQUEOUS	50	50				
MDL-5	0.2		AQUEOUS	50	50				
MDL-6	0.2		AQUEOUS	50	50				
MDL-7	0.2		AQUEOUS	50	50				
MDL-CHECK			AQUEOUS	50	50				
CCV	CCV		AQUEOUS	50	50				
CCB	CCB		AQUEOUS	50	50				
CCV	CCV		AQUEOUS	50	50				
CCB	CCB		AQUEOUS	50	50				
CCV	CCV		AQUEOUS	50	50				
CCB	CCB		AQUEOUS	50	50				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Serial Number - M15814
User ID - merrit
Temperature
°C
121.4
101.2
81
60.8
40.6
20.4
3:06:24 PM Jun 15, 2006
7:33:36 PM Jun 15, 2006
12:00:48 AM Jun 16, 2006
4:28:00 AM Jun 16, 2006
8:55:12 AM Jun 16, 2006
1:22:24 PM Jun 16, 2006

Device Name:	**HiTemp102**
Device Description:	**Temperature Recorder**
Serial Number:	**M15814**
User ID:	**merrit**

Reading Number	Date and Time	Channel 1 Temperature (°C)
1	2006-06-15 15:06:24	21.9
2	2006-06-15 15:07:24	22.1
3	2006-06-15 15:08:24	22.2
4	2006-06-15 15:09:24	22.2
5	2006-06-15 15:10:24	22.4
6	2006-06-15 15:11:24	23.8
7	2006-06-15 15:12:24	37.7
8	2006-06-15 15:13:24	57.5
9	2006-06-15 15:14:24	73.6
10	2006-06-15 15:15:24	86.6
11	2006-06-15 15:16:24	97.4
12	2006-06-15 15:17:24	106.3
13	2006-06-15 15:18:24	111.4
14	2006-06-15 15:19:24	114.5
15	2006-06-15 15:20:24	116.4
16	2006-06-15 15:21:24	117.8
17	2006-06-15 15:22:24	118.5
18	2006-06-15 15:23:24	118.8
19	2006-06-15 15:24:24	118.9
20	2006-06-15 15:25:24	119
21	2006-06-15 15:26:24	119.1
22	2006-06-15 15:27:24	119.3
23	2006-06-15 15:28:24	119.4
24	2006-06-15 15:29:24	119.6
25	2006-06-15 15:30:24	119.7
26	2006-06-15 15:31:24	119.8
27	2006-06-15 15:32:24	120
28	2006-06-15 15:33:24	120.1
29	2006-06-15 15:34:24	120.3
30	2006-06-15 15:35:24	120.4
31	2006-06-15 15:36:24	120.5
32	2006-06-15 15:37:24	120.6
33	2006-06-15 15:38:24	120.8
34	2006-06-15 15:39:24	120.9
35	2006-06-15 15:40:24	121
36	2006-06-15 15:41:24	121.1
37	2006-06-15 15:42:24	121.2
38	2006-06-15 15:43:24	121.3
39	2006-06-15 15:44:24	121.4
40	2006-06-15 15:45:24	120.7
41	2006-06-15 15:46:24	118.6
42	2006-06-15 15:47:24	116.2
43	2006-06-15 15:48:24	113.6
44	2006-06-15 15:49:24	111.2
45	2006-06-15 15:50:24	109

STL Sacramento
Mercury Sample Preparation Log

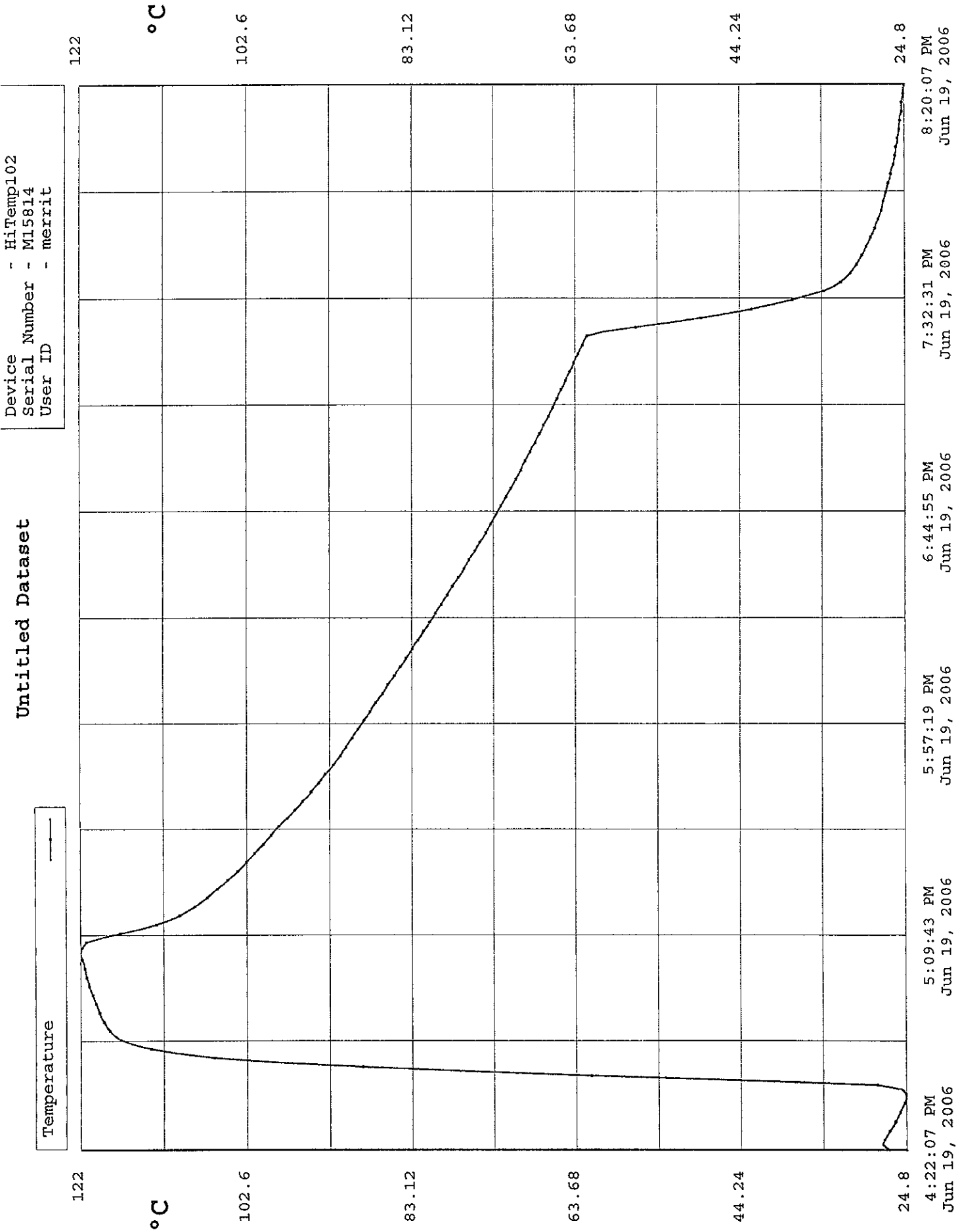
STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.
0	Std1Rep1	<2	AQUEOUS	50	50
0.2	Std2Rep1	<2	AQUEOUS	50	50
0.5	Std3Rep1	<2	AQUEOUS	50	50
1	Std4Rep1	<2	AQUEOUS	50	50
5	Std5Rep1	<2	AQUEOUS	50	50
10	Std6Rep1	<2	AQUEOUS	50	50
ICV	ICV	<2	AQUEOUS	50	50
ICB	ICB	<2	AQUEOUS	50	50
G6F190000-610	H7PXXB		AQUEOUS	50	50
G6F190000-610	H7PXXC		AQUEOUS	50	50
G6F190000-610	H7PXXL		AQUEOUS	50	50
G6F020219-9	H6LTV		AIR	0.75	50
CCV	CCV		AQUEOUS	50	50
CCB	CCB		AQUEOUS	50	50

Chemist:	phomsophat	**Date:**	06/19/06
SOP#:	SAC-MT-0005		
Autoclave: Start Time:	17:00		18:00
Balance ID:	QA-007		
STANDARDS:			
Initial Calibration Standard (ICV)			
Tracking#	1767-20-11	Conc:	100ppb
Calibration Stds./CCV/Matrix Spike/LCSW			
Tracking#	1767-20-10	Conc:	100ppb

LCS/1.0	500 ul
MS/SD 1.0	500 ul
ICV/2.0	1.0 ml
SOILS (50/50ml)	
WATER (30/30ml) , DI Leach (30/30)	
STLC (3/30 ml) , TCLP (6/30ml)	
Curve/QC (ppb)	Spike Volume
Conc	Waters/Soils
0.0	0.0 ul/0.0ul
0.2	60 ul/100ul
0.5	150 ul/250ul
1.0	300 ul/0.5ml
5.0	1.5 ml/2.5ml
10.0	3.0 ml/5.0ml
CCV/5.0	1.5 ml/2.5ml
LCS/1.0	300 ul/0.5ml
MS/SD(1.0 H20)(3.0 soils)	300 ul/1.5ml
ICV/2.0	600 ul/1.0ml
REAGENTS:	
HNO3 Lot#: B46024	
KMnO4 Lot#: 2626-Met-38-7	
K2S2O8 Lot#: 2626-met-40-4	
NaCl(NH2OH)2626-MET-40-5	
Stannous Chloride Lot# 2626-44-4	
H2S04 Lot#C05024	

TW 6/20/06

QA392 Rev.2/21/2003


Untitled Dataset
Device - HiTemp102
Serial Number - M15814
User ID - merrit
Temperature
°C
122
102.6
83.12
63.68
44.24
24.8
4:22:07 PM Jun 19, 2006
5:09:43 PM Jun 19, 2006
5:57:19 PM Jun 19, 2006
6:44:55 PM Jun 19, 2006
7:32:31 PM Jun 19, 2006
8:20:07 PM Jun 19, 2006

Device Name:	**HiTemp102**
Device Description:	**Temperature Recorder**
Serial Number:	**M15814**
User ID:	**merrit**

Reading Number	Date and Time	Channel 1 Temperature (°C)
1	2006-06-19 16:22:07	27.1
2	2006-06-19 16:23:07	27.6
3	2006-06-19 16:24:07	27.4
4	2006-06-19 16:25:07	27.1
5	2006-06-19 16:26:07	26.8
6	2006-06-19 16:27:07	26.4
7	2006-06-19 16:28:07	26.1
8	2006-06-19 16:29:07	25.8
9	2006-06-19 16:30:07	25.5
10	2006-06-19 16:31:07	25.3
11	2006-06-19 16:32:07	25
12	2006-06-19 16:33:07	24.8
13	2006-06-19 16:34:07	24.8
14	2006-06-19 16:35:07	25.3
15	2006-06-19 16:36:07	28.2
16	2006-06-19 16:37:07	44.3
17	2006-06-19 16:38:07	61.9
18	2006-06-19 16:39:07	76.4
19	2006-06-19 16:40:07	89
20	2006-06-19 16:41:07	99.6
21	2006-06-19 16:42:07	106.4
22	2006-06-19 16:43:07	110.8
23	2006-06-19 16:44:07	113.8
24	2006-06-19 16:45:07	115.9
25	2006-06-19 16:46:07	117.3
26	2006-06-19 16:47:07	118.1
27	2006-06-19 16:48:07	118.6
28	2006-06-19 16:49:07	119
29	2006-06-19 16:50:07	119.3
30	2006-06-19 16:51:07	119.6
31	2006-06-19 16:52:07	119.8
32	2006-06-19 16:53:07	120
33	2006-06-19 16:54:07	120.2
34	2006-06-19 16:55:07	120.4
35	2006-06-19 16:56:07	120.6
36	2006-06-19 16:57:07	120.8
37	2006-06-19 16:58:07	121
38	2006-06-19 16:59:07	121.1
39	2006-06-19 17:00:07	121.3
40	2006-06-19 17:01:07	121.4
41	2006-06-19 17:02:07	121.5
42	2006-06-19 17:03:07	121.6
43	2006-06-19 17:04:07	121.8
44	2006-06-19 17:05:07	122
45	2006-06-19 17:06:07	122

46	2006-06-19 17:07:07	121.7
47	2006-06-19 17:08:07	121.3
48	2006-06-19 17:09:07	119.6
49	2006-06-19 17:10:07	117.4
50	2006-06-19 17:11:07	115.1
51	2006-06-19 17:12:07	113.1
52	2006-06-19 17:13:07	111.6

AIR, PM-10 & TSP

QC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEET

Run Date: 6/09/06
Time: 14:42:44

STL Sacramento

PRODUCTION FIGURES - WET CHEM

TOTAL NUMBER	SAMPLE NUMBER	QC	RE-RUN MATRIX	RE-RUN OTHER	MISC NUMBER	TOTAL HOURS	EXPANDED DELIVERABLE

METHOD: AO Particulates in Air, Suspended "TSP HiVol" (APP B)
QC BATCH #: **6160457**
PREP DATE: 6/07/06 9:03
COMP DATE: 6/08/06 12:11
USER: VALMORES

INITIALS:
PREP
ANAL

DATA ENTRY:
INITIALS
DATE 6/9/06

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H6LTV-1-AA	G-6F020219-009	XX S 88 AO 3W	Y-D	6/8/06	000473
H6LTX-1-AD	G-6F020219-010	XX S 88 AO 3W	Y-D		000474
H6LT1-1-AD	G-6F020219-011	XX S 88 AO 3W	Y-D		000477
H6LT2-1-AD	G-6F020219-012	XX S 88 AO 3W	Y-D		000478
H6LT4-1-AD	G-6F020219-013	XX S 88 AO 3W	Y-D		000479

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN TRENT STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G6F020219 Batch #: 6160457

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 6/6/06 ANALYST: Valmore

LEVEL 1 ANALYSIS REVIEW	YES	NO	NA
1. Samples are in good condition.	✓		
2. Sample filter number matches the folder or petri ID number.	✓		
3. Desiccator temperature and % humidity criteria in control.	✓		
4. Balance calibration criteria met.	✓		
5. Beginning and ending calibration sample bracket weights are in calibration.	✓		
6. Samples reached stable weight.	✓		
7. Samples exceeded 5 consecutive final weighings.			✓

LEVEL 1 DATA REVIEW	YES	NO	NA
1. Benchsheet is complete.	✓		
2. QAS or QAPP consulted and followed for client specifics.	✓		
3. Data entered in properly.	✓		
4. Copy of spreadsheet or logbook raw data entry attached to data package.	✓		
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.			✓

Completed By & Date: 6/9/06

LEVEL 2 REVIEW:	YES	NO	NA
1. Level 1 checklist complete and verified.	✓		
2. Deviations, Anomalies, Holding times checked and approved.	✓		
3. Reanalysis documented and chemist notified.			✓
4. Client specific criteria met.	✓		
5. Data entry checked and released in Quantims.	✓		
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).	✓		

Completed By & Date: 6/14/06

Comments: see LA

Severn Trent Laboratories WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	5 g wt	4.9998 041006skv1522	5.0004 041106skv1425	4.9998 060706skv0903	5.0003 060806skv1203					-0.0001
H5903	bctsp041006-471	4.2790 041006skv1523	4.2787 041106skv1425	4.3660 060106skv1534	4.3657 060206skv0707					0.0870
H5904	bctsp041006-472	4.2841 041006skv1523	4.2836 041106skv1427	4.2819 060106skv1535	4.2822 060206skv0708					-0.0014
H6LTV	bctsp041006-473	4.2828 041006skv1523	4.2832 041106skv1429	4.3182 060706skv0904	4.3184 060806skv1204					0.0352
H6LTX	bctsp041006-474	4.2958 041006skv1524	4.2954 041106skv1430	4.3217 060706skv0904	4.3220 060806skv1204					0.0266
	bctsp041006-475	4.3290 041006skv1524	4.3286 041106skv1430							NC
	5 g wt	5.0002 041006skv1525	5.0001 041106skv1431	5.0003 060106skv1535	5.0000 060206skv0708					-0.0001
	5 g wt	5.0002 041006skv1525	5.0001 041106skv1431	5.0002 060706skv0905	5.0003 060806skv1204					0.0002

1/3 SV

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	5 g wt	4.9998 051806skv0907	5.0004 051806skv1506	4.9997 060706skv0905	5.0002 060806skv1207					-0.0002
	bctsp051806-476	4.3793 051806skv0908	4.3798 051806skv1506							NC
H6LT1	bctsp051806-477	4.3880 051806skv0908	4.3884 051806skv1507	4.5333 060706skv0905	4.5333 060806skv1207					0.1449
H6LT2	bctsp051806-478	4.3814 051806skv0908	4.3819 051806skv1507	4.4183 060706skv0906	4.4184 060806skv1207					0.0365
H6LT4	bctsp051806-479	4.3781 051806skv0909	4.3786 051806skv1507	4.3783 060706skv0906	4.3786 060806skv1208					0.0000
H6LVL	bctsp051806-480	4.3763 051806skv0909	4.3768 051806skv1508	4.4218 060706skv0907	4.4220 060806skv1208					0.0452
H6LVM	bctsp051806-481	4.3949 051806skv0910	4.3953 051806skv1508	4.4289 060706skv0907	4.4292 060806skv1209					0.0339
H6LVN	bctsp051806-482	4.3936 051806skv0910	4.3937 051806skv1509	4.4283 060706skv0908	4.4285 060806skv1209					0.0348
H6LVQ	bctsp051806-483	4.4023 051806skv0910	4.4028 051806skv1509	4.4596 060706skv0908	4.4599 060806skv1209					0.0571
H6LVR	bctsp051806-484	4.3897 051806skv0911	4.3899 051806skv1509	4.4302 060706skv0909	4.4302 060806skv1210					0.0403
H6LVT	bctsp051806-485	4.3780 051806skv0911	4.3783 051806skv1510	4.4179 060706skv0909	4.4183 060806skv1210					0.0400
	5 g wt	5.0000 051806skv0911	5.0003 051806skv1510							NC
H6LVV	bctsp051806-486	4.3938 051806skv0911	4.3941 051806skv1511	4.3947 060706skv0910	4.3946 060806skv1211					0.0005
	bctsp051806-487	4.3817 051806skv0912	4.3814 051806skv1511							NC
	bctsp051806-488	4.3894 051806skv0912	4.3896 051806skv1511							NC
	bctsp051806-489	4.3686 051806skv0913	4.3691 051806skv1512							NC

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	bctsp051806-490	4.3690 051806skv0913	4.3694 051806skv1512							NC
	bctsp051806-491	4.3880 051806skv0913	4.3884 051806skv1513							NC
	bctsp051806-492	4.3636 051806skv0913	4.3640 051806skv1513							NC
	bctsp051806-493	4.3742 051806skv0914	4.3739 051806skv1514							NC
	bctsp051806-494	4.3799 051806skv0914	4.3800 051806skv1514							NC
	bctsp051806-495	4.3601 051806skv0914	4.3601 051806skv1514							NC
	5 g wt	4.9998 051806skv0915	4.9997 051806skv1515	5.0001 060706skv0910	5.0004 060806skv1211					0.0007

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch **6160457**

Date 6/14/2006
Time 16:47:42

Method Code:**AO Particulates in Air, Suspended "TSP HiVol" (APP B)**
Analyst:**Steve Valmores**

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output LDL	Dil.
H6LTV-1-AA	0.0352	g	0.0001	06/07-06/08/06	.00	N	R	0.0352	0.0001	1.00
H6LTX-1-AD	0.0266	g	0.0001	06/07-06/08/06	.00	N	R	0.0266	0.0001	1.00
H6LT1-1-AD	0.1449	g	0.0001	06/07-06/08/06	.00	N	R	0.1449	0.0001	1.00
H6LT2-1-AD	0.0365	g	0.0001	06/07-06/08/06	.00	N	R	0.0365	0.0001	1.00
H6LT4-1-AD	ND	g	0.0001	06/07-06/08/06	.00	N	R	ND	0.0001	1.00

Notes:

PRODUCTION TOTALS

TEST	TOTAL #	SAMPLE #	QC #	MATRIX #	OTHER #	MISC #	HOURS
	0	0	0	0	0	0	.0

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEET

Run Date: 6/09/06
Time: 14:50:52

STL Sacramento

PRODUCTION FIGURES - WET CHEM

TOTAL NUMBER	SAMPLE NUMBER	QC	RE-RUN MATRIX	RE-RUN OTHER	MISC NUMBER	TOTAL HOURS	EXPANDED DELIVERABLE

METHOD: JR Particulate Matter as PM10 "PM10 HiVol" (CFR50-J)
QC BATCH #: **6160467**
PREP DATE: 6/07/06 9:12
COMP DATE: 6/08/06 12:30
USER: VALMORES

INITIALS:
PREP
ANAL

DATA ENTRY:
INITIALS
DATE 6/9/06

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H6LTF-1-AA	G-6F020219-001	XX S 88 JR 01	Y-D	6/8/06	P-0644
H6LTG-1-AD	G-6F020219-002	XX S 88 JR 01	Y-D		P-0645
H6LTH-1-AD	G-6F020219-003	XX S 88 JR 01	Y-D		P-0646
H6LTK-1-AD	G-6F020219-004	XX S 88 JR 01	Y-D		P-0647
H6LTL-1-AD	G-6F020219-005	XX S 88 JR 01	Y-D		P-0648
H6LTM-1-AD	G-6F020219-006	XX S 88 JR 01	Y-D		P-0649
H6LTN-1-AD	G-6F020219-007	XX S 88 JR 01	Y-D		P-0651
H6LTQ-1-AD	G-6F020219-008	XX S 88 JR 01	Y-D		P-0652

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN TRENT STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G6F02 0219 - 1 - 8 Batch #: 6160467

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 6/9/06 ANALYST: SVahmore

LEVEL 1 ANALYSIS REVIEW	YES	NO	NA
1. Samples are in good condition.	✓		
2. Sample filter number matches the folder or petri ID number.	✓		
3. Desiccator temperature and % humidity criteria in control.	✓		
4. Balance calibration criteria met.	✓		
5. Beginning and ending calibration sample bracket weights are in calibration.	✓		
6. Samples reached stable weight.	✓		
7. Samples exceeded 5 consecutive final weighings.			✓
LEVEL 1 DATA REVIEW			
1. Benchsheet is complete.	✓		
2. QAS or QAPP consulted and followed for client specifics.	✓		
3. Data entered in properly.	✓		
4. Copy of spreadsheet or logbook raw data entry attached to data package.	✓		
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.			✓

Completed By & Date: SV 6/9/06

LEVEL 2 REVIEW:			
1. Level 1 checklist complete and verified.	✓		
2. Deviations, Anomalies, Holding times checked and approved.	✓		
3. Reanalysis documented and chemist notified.			✓
4. Client specific criteria met.	✓		
5. Data entry checked and released in Quantims.	✓		
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).	✓		

Completed By & Date: GA 6/14/06

Comments: des IA

Severn Trent Laboratories WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	5 g wt	5.0001 041006skv1529	5.0000 041106skv1354	5.0002 060706skv0912	5.0002 060806skv1215					0.0002
H5NJ7	pmbc041006-636	4.5216 041006skv1529	4.5217 041106skv1354	4.5585 052006skv0925	4.5586 052206skv0930					0.0369
H590D	pmbc041006-637	4.5184 041006skv1530	4.5183 041106skv1354	4.5397 060106skv1538	4.5395 060206skv0659					0.0212
H590F	pmbc041006-638	4.5241 041006skv1530	4.5242 041106skv1355	4.5444 060106skv1539	4.5443 060206skv0659					0.0201
H590J	pmbc041006-639	4.5279 041006skv1530	4.5280 041106skv1355	4.5521 060106skv1539	4.5525 060206skv0700					0.0245
H590K	pmbc041006-640	4.5119 041006skv1531	4.5123 041106skv1355	4.5379 060106skv1540	4.5375 060206skv0700					0.0252
H590N	pmbc041006-641	4.5164 041006skv1531	4.5163 041106skv1356	4.5576 060106skv1540	4.5575 060206skv0700					0.0412
H590R	pmbc041006-642	4.5367 041006skv1531	4.5370 041106skv1356	4.5465 060106skv1540	4.5461 060206skv0701					0.0091
	pmbc041006-643	4.5235 041006skv1532	4.5232 041106skv1356							NC
H6LTF	pmbc041006-644	4.5338 041006skv1532	4.5338 041106skv1358	4.5433 060706skv0914	4.5433 060806skv1216					0.0095
H6LTG	pmbc041006-645	4.5140 041006skv1532	4.5137 041106skv1358	4.5239 060706skv0915	4.5237 060806skv1216					0.0100
	5 g wt	5.0002 041006skv1533	5.0003 041106skv1359	5.0001 052006skv0925	5.0005 052206skv0930					0.0002
	5 g wt	5.0002 041006skv1533	5.0003 041106skv1359	4.9998 060106skv1541	5.0000 060206skv0701					-0.0003
	5 g wt	5.0002 041006skv1533	5.0003 041106skv1359	4.9999 060706skv0916	5.0001 060806skv1216					-0.0002
H6LTH	pmbc041006-646	4.5225 041006skv1533	4.5221 041106skv1400	4.5339 060706skv0916	4.5338 060806skv1217					0.0117

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
H6LTK	pmbc041006-647	4.5235 041006skv1534	4.5235 041106skv1407	4.5360 060706skv0917	4.5359 060806skv1217					0.0124
H6LTL	pmbc041006-648	4.5440 041006skv1534	4.5441 041106skv1408	4.5693 060706skv0919	4.5689 060806skv1217					0.0248
H6LTM	pmbc041006-649	4.5389 041006skv1534	4.5390 041106skv1408	4.5487 060706skv0920	4.5487 060806skv1218					0.0097
	pmbc041006-650	4.4837 041006skv1535	4.4841 041106skv1408							NC
	5 g wt	5.0001 041006skv1535	5.0004 041106skv1409	5.0002 060706skv0920	5.0003 060806skv1219					-0.0001

rev 020303
N:/atg/air/airgrav3k.xls

Page 2/3 Batch#: 6160467

Reviewed by: CL 6/14/05

Severn Trent Laboratories WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	5 g wt	4.9997 051806skv0917	4.9998 051806skv1517	4.9997 060706skv0921	4.9998 060806skv1225					0.0000
H6LTN	pmbc051806-651	4.3657 051806skv0918	4.3657 051806skv1517	4.3787 060706skv0920	4.3786 060806skv1226					0.0129
H6LTQ	pmbc051806-652	4.3708 051806skv0918	4.3712 051806skv1518	4.3723 060706skv0925	4.3727 060806skv1227					0.0015
	pmbc051806-653	4.3265 051806skv0918	4.3270 051806skv1518	4.3409 060706skv0926	4.3408 060806skv1227					0.0138
	pmbc051806-654	4.3132 051806skv0919	4.3131 051806skv1518	4.3258 060706skv0926	4.3262 060806skv1228					0.0131
	pmbc051806-655	4.3006 051806skv0919	4.3010 051806skv1519	4.3167 060706skv0927	4.3164 060806skv1228					0.0154
	pmbc051806-656	4.3291 051806skv0919	4.3295 051806skv1519	4.3530 060706skv0928	4.3530 060806skv1229					0.0235
	pmbc051806-657	4.3412 051806skv0920	4.3412 051806skv1519	4.3548 060706skv0928	4.3551 060806skv1229					0.0139
	pmbc051806-658	4.3769 051806skv0920	4.3772 051806skv1520	4.3917 060706skv0929	4.3917 060806skv1229					0.0145
	pmbc051806-659	4.3983 051806skv0922	4.3984 051806skv1520	4.4116 060706skv0929	4.4119 060806skv1230					0.0135
	pmbc051806-660	4.3813 051806skv0922	4.3812 051806skv1520							NC
	5 g wt	5.0004 051806skv0922	4.9999 051806skv1521	4.9997 060706skv0930	5.0000 060806skv1230					0.0001

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch **6160467**

Date 6/14/2006
Time 16:38:18

Method Code: **JR Particulate Matter as PM10 "PM10 HiVol" (CFR50-J)**
Analyst: **Steve Valmores**

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output LDL	Dil.
H6LTF-1-AA	0.0095	g	0.0001	06/07-06/08/06	.00	N	R	0.0095	0.0001	1.00
H6LTG-1-AD	0.0100	g	0.0001	06/07-06/08/06	.00	N	R	0.0100	0.0001	1.00
H6LTH-1-AD	0.0117	g	0.0001	06/07-06/08/06	.00	N	R	0.0117	0.0001	1.00
H6LTK-1-AD	0.0124	g	0.0001	06/07-06/08/06	.00	N	R	0.0124	0.0001	1.00
H6LTL-1-AD	0.0248	g	0.0001	06/07-06/08/06	.00	N	R	0.0248	0.0001	1.00
H6LTM-1-AD	0.0097	g	0.0001	06/07-06/08/06	.00	N	R	0.0097	0.0001	1.00
H6LTN-1-AD	0.0129	g	0.0001	06/07-06/08/06	.00	N	R	0.0129	0.0001	1.00
H6LTQ-1-AD	0.0015	g	0.0001	06/07-06/08/06	.00	N	R	0.0015	0.0001	1.00

Notes:

PRODUCTION TOTALS

TEST	TOTAL #	SAMPLE #	QC #	MATRIX #	OTHER #	MISC #	HOURS
	0	0	0	0	0	0	.0